

**GENERAL SERVICES ADMINISTRATION
MULTIPLE AWARD SCHEDULE
AUTHORIZED PRICE LIST**

**Large Category:
Information Technology/Miscellaneous**

**Subcategories:
IT Hardware
IT Software
IT Software Maintenance Services
IT Services
Telecommunications
Complimentary (SINs)**

Note: Contractor has been awarded under the Cooperative Purchasing & Disaster Recovery programs.

ID TECHNOLOGIES, LLC

19980 HIGHLAND VISTA DRIVE, SUITE 175

ASHBURN, VA 20147

(703) 554-1600 or 800-929-8331 (toll free)

(703) 554-1899 (fax)

www.idtec.com

CONTRACT NUMBER: GS-35F-300DA

PERIOD COVERED BY CONTRACT:

May 2, 2016 through May 1, 2026

Pricelist current through Modification #PO-0350

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage! ®, a menu-driven database system. The INTERNET address GSA Advantage! ® is: GSAAdvantage.gov. For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.

TABLE OF CONTENTS

INFORMATION FOR ORDERING ACTIVITIES	1
SIN 532420L LEASE TERMS AND CONDITIONS.....	4
SIN 33411 PURCHASING OF NEW ELECTRONIC EQUIPMENT TERMS AND CONDITIONS	14
SIN 811212 HARDWARE MAINTENANCE ORDER TERMS.....	16
SIN 811212 HARDWARE REPAIR SERVICE ORDER TERMS	18
SIN 511210 SOFTWARE LICENSES TERMS AND CONDITIONS.....	21
SIN 611420 IT TRAINING TERMS AND CONDITIONS.....	24
SIN 54151S IT SERVICES TERMS AND CONDITIONS.....	26
SIN 517312 WIRELESS MOBILITY SOLUTIONS TERMS AND CONDITIONS.....	30
LABOR CATEGORY DESCRIPTIONS	32
GSA PRICING.....	64

INFORMATION FOR ORDERING ACTIVITIES

1a. AUTHORIZED SPECIAL ITEM NUMBERS (SINs):

SIN	DESCRIPTION
532420L	Leasing of New Electronic Equipment
33411	Purchasing of New Electronic Equipment
811212	Maintenance of Equipment, Repair Services and/or Repair/Spare
511210	Software License
54151	Software Maintenance Services
611420	Information Technology Training
54151S	Information Technology Professional Services
54151ECOM	Electronic Commerce and Subscription Services
517312	Wireless Mobility Solutions
Ancillary	Ancillary Supplies & Services
OLM	Order-Level Materials (OLMs)

1b. Lowest Priced Model Number and Price for each SIN: See Price List

1c. SERVICES OFFERED: See Price List

2. MAXIMUM ORDER PER SIN:

SIN	MAXIMUM ORDER
532420L	\$500,000
33411	\$500,000
811212	\$500,000
511210	\$500,000
54151	\$500,000
611420	\$250,000
54151S	\$500,000
54151ECOM	\$500,000
517312	\$500,000
ANCILLARY	None
OLM	NTE 33.33% of total purchase

3. MINIMUM ORDER LIMITATION: \$100

4. GEOGRAPHIC COVERAGE (DELIVERY AREA): The geographic scope of this contract is the 48 contiguous states, i.e., Alaska, Hawaii, the Commonwealth of Puerto Rico, and such overseas locations as specified, and are not covered the following conditions will apply:

a. Delivery will be f.o.b. inland carrier, point of exportation (FAR 52.247-38), with the transportation charges to be paid by the Government from the point of exportation to destination in Alaska, Hawaii, the Commonwealth of Puerto Rico, and such overseas locations specified, as designated by the ordering office. The Contractor shall add the actual cost of transportation to destination from the point of exportation in the 48 contiguous States nearest to the designated destination. Such costs will, in all cases, be based upon the lowest regularly established rates on file with the Interstate Commerce Commission, the U.S. Maritime Commission (if shipped by water), or any State regulatory body, or those published by the U.S. Postal Service; and must be supported by paid freight or express receipt or by a statement of parcel post charges including weight of shipment.

b. The right is reserved to ordering agencies to furnish Government bills of lading. Ordering offices will be required to pay differential between freight charges and express charges where express deliveries are desired by the Government.

5. POINT OF PRODUCTION: **See Price List**

6. BASIC DISCOUNT: **Prices listed are net, discounts have been deducted and the industrial funding fee has been added**

7. QUANTITY DISCOUNT: **None**

8. PROMPT PAYMENT TERMS: **Net 30**

9a. GOVERNMENT PURCHASE CARDS ARE ACCEPTED UP TO THE MICRO-PURCHASE THRESHOLD.

9b. GOVERNMENT PURCHASE CARDS MAY BE ACCEPTED ABOVE THE MICRO-PURCHASE THRESHOLD.

10. FOREIGN ITEMS: **See Price List**

11a. TIME OF DELIVERY: **Not Applicable to Services; 30 Days ARO for Products**

11b. EXPEDITED DELIVERY: **Contact Contractor**

11c. OVERNIGHT AND 2-DAY DELIVERY: **Contact Contractor**

11d. URGENT REQUIREMENTS: **Contact Contractor**

12 F.O.B. POINT: **Destination**

13a. ORDERING ADDRESS: **ID TECHNOLOGIES, LLC
19980 HIGHLAND VISTA DRIVE, SUITE 175
ASHBURN, VA 20147**

13b. ORDERING PROCEDURES: **For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.**

14. PAYMENT ADDRESS: **Same as Ordering Address**

15. WARRANTY PROVISION: **Standard Commercial Warranty**

16. EXPORT PACKING CHARGES: **Not Applicable**

17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE: **May be accepted above the micro-purchase threshold**

18. TERMS AND CONDITIONS OF RENTAL: **See below**

19. TERMS AND CONDITIONS OF INSTALLATION: **See below**

20. TERMS AND CONDITIONS OF REPAIR PARTS: **See below**

20a. TERMS AND CONDITIONS FOR ANY OTHER SERVICES: **Not Applicable**

21. LIST OF SERVICE AND DISTRIBUTION POINTS: **Not Applicable**

22. LIST OF PARTICIPATING DEALERS: **Not Applicable**

23. PREVENTIVE MAINTENANCE: **Not Applicable**

24a. SPECIAL ATTRIBUTES: **Not Applicable**

24b. SECTION 508 COMPLIANCE INFORMATION: **Not Applicable**

25. DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER: **618563720**

26. CONTRACTOR HAS REGISTERED IN THE SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE.

**INFORMATION TECHNOLOGY CATEGORY
HARDWARE SUBCATEGORY
SIN 532420L LEASE TERMS AND CONDITIONS**

Option 1

Option 1 Lease Terms and Conditions does not contain a cancellation clause and all leases automatically expire on September 30th or sooner.

52.207-5	Option to Purchase Equipment	Feb 1995
52.227-14	Rights in Data-General	May 2014

1. STATEMENT

- a. It is understood by all parties to this contract that orders issued under this SIN shall constitute a lease arrangement. Unless the ordering activity intends to obligate other than annual appropriations to fund the lease, the base period of the lease is from the date of the product acceptance through September 30 of the fiscal year in which the order is placed.
- b. Agencies are advised to follow the guidance provided in Federal Acquisition Regulation (FAR) Subpart 7.4 Product Lease or Purchase and OMB Circular A-11. Agencies are responsible for the obligation of funding consistent with all applicable legal principles when entering into any lease arrangement.

2. FUNDING AND PERIODS OF LEASING ARRANGEMENTS

- a. Annual Funding. When annually appropriated funds are cited on an order for leasing, the following applies:
 - i. The base period of an order for any lease executed by the ordering activity shall be for the duration of the fiscal year. All ordering activity renewal options under the lease shall be specified in the delivery order. All orders for leasing shall remain in effect through September 30 of the fiscal year or the planned expiration date of the lease, whichever is earlier, unless the ordering activity exercises its rights hereunder to acquire title to the product prior to the planned expiration date or unless the ordering activity exercises its right to terminate under GSAR 552.212-4. Orders under the lease shall not be deemed to obligate succeeding fiscal year's funds or to otherwise commit the ordering activity to a renewal.
 - ii. All orders for leasing shall automatically terminate on September 30, unless the ordering activity notifies the Contractor in writing thirty (30) calendar days prior to the expiration of such orders of the ordering activity's intent to renew. Such notice to renew shall not bind the ordering activity. The ordering activity has the option to renew each year at the original rate in effect at the time the order is placed. This rate applies for the duration of the order. If the ordering activity exercises its option to renew, the renewal order shall be issued within 15 days after funds become available for obligation by the ordering activity, or as specified in the initial order. No termination fees shall apply if the ordering activity does not exercise an option.
- b. Crossing Fiscal Years Within Contract Period. Where an ordering activity has specific authority to cross fiscal years with annual appropriations, the ordering activity may place an order under this option to lease product for a period up to the expiration of its period of appropriation availability, or twelve

months, whichever occurs later, notwithstanding the intervening fiscal years.

3. DISCONTINUANCE AND TERMINATION

Notwithstanding any other provision relating to this SIN, the ordering activity may terminate products leased under this agreement, at any time during a fiscal year in accordance with the termination provisions contained in GSAR 552.212-4(l) Termination for the ordering activity's convenience, or (m) Termination for cause. Additionally, no termination for cost or fees shall be charged for non-renewal of an option.

4. The following terms and conditions may be included:

a. ASSIGNMENT OF CLAIMS

GSAR 552.232-23, Assignment of Claims, is incorporated herein by reference as part of these lease provisions. The ordering activity's contracting officer will acknowledge the assignment of claim for a lease in accordance with FAR 32.8. The extent of the assignee's protection is in accordance with FAR 32.804. Any setoff provision must be in accordance with FAR 32.803.

b. PEACEFUL POSSESSION AND UNRESTRICTED USE

In recognition of the types of products available for lease and the potential adverse impact to the ordering activity's mission, the ordering activity's quiet and peaceful possession and unrestricted use of the product shall not be disturbed in the event the product is sold by the Contractor, or in the event of bankruptcy of the Contractor, corporate dissolution of the Contractor, or other event. The product shall remain in the possession of the ordering activity until the expiration of the lease. Any assignment, sale, bankruptcy, or other transfer of the leased product by the Contractor will not relieve the Contractor of its obligations to the ordering activity and will not change the ordering activity's duties or increase the burdens or risks imposed on the ordering activity.

c. COMMENCEMENT OF LEASE

The date on which the ordering activity accepts the products is the Commencement Date of the lease. Acceptance is as defined elsewhere in the contract, or as further specified in the order.

d. INSTALLATION AND MAINTENANCE

- i. Installation and Maintenance, when applicable, normally are not included in the charge for leasing. The Contractor may require the ordering activity to obtain installation and maintenance services from a qualified source. The ordering activity may obtain installation and/or maintenance on the open market, from the Contractor's schedule contract, or from other sources. The ordering activity may also perform installation and/or maintenance in house if qualified resources exist. In any event, it is the responsibility of the ordering activity to ensure that maintenance is in effect for the Lease term for all products leased.
- ii. When installation and/or maintenance are ordered under this schedule to be performed by the Contractor, the payments, terms and conditions as stated in this contract apply. The rates and terms and conditions in effect at the time the order is issued shall apply during any subsequent renewal period of the lease. The maintenance rates and terms and conditions may be added to the lease payments with mutual agreement of the parties.

e. MONTHLY PAYMENTS

- i. Prior to the placement of an order under this Special Item Number, the ordering activity and the Contractor must agree on a "base value" for the products to be leased. For Lease to Ownership (Capital Lease) the base value will be the contract purchase price (less any discounts). For Lease with Option to Own (Operating Lease), the base value will be the contract purchase price (less any discounts), less a mutually agreed upon residual value (pre-stated purchase option price at the conclusion of the lease) for the products. The residual value will be used in the calculation of the

original lease payment, lease extension payments, and the purchase option price.

- ii. To determine the initial lease term payment, the Contractor agrees to apply the negotiated lease factor to the agreed upon base value:

For Example: Lease factor one (1) percent over the rate for the three-year (or other term) Treasury Bill (T-bill) at the most current U. S. Treasury auction.

The lease payment may be calculated by using a programmed business calculator or by using “rate” functions provided in commercial computer spreadsheets.

- iii. For any lease extension, the extension lease payment will be based on the original residual value, in lieu of the purchase price. The ordering activity and the Contractor shall agree on a new residual value based on the estimated fair market price at the end of the extension. The formula to determine the lease payment will be that in 5.b. Above.
- iv. The purchase option price will be the fair market value of the product or payment will be based upon the unamortized principle, as shown on the payment schedule as of the last payment prior to the date of transfer of ownership, whichever is less.
- v. The point in time when monthly rates are established is subject to negotiation and evaluation at the order level.
- vi. In the event the ordering activity desires, at any time, to acquire title to product leased hereunder, the ordering activity may make a one-time lump sum payment.

f. LEASE END/DISCONTINUANCE OPTIONS

- i. Upon the expiration of the Lease Term, Termination for Convenience, or Termination for Non-Appropriation, the ordering activity will return the Product to the Contractor unless the ordering activity by 30 days written notice elects either:
 - 1. to purchase the product for the residual value of the product, or
 - 2. to extend the term of the Lease, as mutually agreed. To compute the lease payment, the residual value from the preceding lease shall be the initial value of the leased product. A new residual value shall be negotiated for the extended lease and new lease payments shall be computed.
- ii. Relocation - The ordering activity may relocate products to another location within the ordering activity with prior written notice. No other transfer, including sublease, is permitted. ordering activity shall not assign, transfer or otherwise dispose of any products, or any interest therein, or crate or suffer any levy, lien or encumbrance then except those created for the benefit of Contractor or its assigns.
- iii. Returns
 - 1. Within fourteen (14) days after the date of expiration, non-renewal or termination of a lease, the ordering activity shall, at its own risk and expense, have the products packed for shipment in accordance with manufacturer's specifications and return the products to Contractor at the location specified by Contractor in the continental US, in the same condition as when delivered, ordinary wear and tear excepted. Any expenses necessary to return the products to good working order shall be at ordering activity's expense.
 - 2. The Contractor shall conduct a timely inspection of the returned products and within 45 days of the return, assert a claim if the condition of the product exceeds normal wear and tear.
 - 3. Product will be returned in accordance with the terms of the contract and in accordance with

Contractor instruction.

4. With respect to software, the ordering activity shall state in writing to the Contractor that it has:
 - a. deleted or disabled all files and copies of the software from the equipment on which it was installed, and;
 - b. returned all software documentation, training manuals, and physical media on which the software was delivered, and;
 - c. has no ability to use the returned software.

g. UPGRADES AND ADDITIONS

- i. The ordering activity may affix or install any accessory, addition, upgrade, product, or device on the product ("additions") provided that such additions:
 1. can be removed without causing material damage to the product, and;
 2. do not reduce the value of the product, and;
 3. are obtained from or approved by the Contractor and are not subject to the interest of any third party other than the Contractor.
- ii. Any other additions may not be installed without the Contractor's prior written consent. At the end of the lease term, the ordering activity shall remove any additions which:
 1. were not leased from the Contractor, and;
 2. are readily removable without causing material damage or impairment of the intended function, use, or value of the product, and restore the product to its original configuration.
- iii. Any additions that are not so removable will become the Contractor's property (lien free).
- iv. Leases of additions and upgrades must be co-terminus with that of the product.

h. RISK OF LOSS OR DAMAGE

The ordering activity is relieved from all risk of loss or damage to the product during periods of transportation, installation, and during the entire time the product is in possession of the ordering activity, except when loss or damage is due to the fault or negligence of the ordering activity. The ordering activity shall assume risk of loss or damage to the product during relocation, (i.e., moving the product from one ordering activity location to another ordering activity location), unless the Contractor shall undertake such relocation.

i. TITLE

During the lease term, product shall always remain the property of the Contractor. The ordering activity shall have no property right or interest in the product except as provided in this leasing agreement and shall hold the product subject and subordinate to the rights of the Contractor. Software and software licenses shall be deemed personal property. The ordering activity shall have no right or interest in the software and related documentation except as provided in the license and the lease. Upon the Commencement Date of the Lease Term, the ordering activity shall have an encumbered license to use the software for the Lease Term. The ordering activity's encumbered license rights in the software will be subject to the same rights as provided to a purchaser of a license under the terms of this contract except that the ordering activity will not have an unencumbered, paid-up license until it

has made all lease payments for the full Lease Term in the case of a Lease To Ownership or has otherwise paid the applicable purchase option price.

j. TAXES

The lease payments, purchase option prices, and interest rates identified herein exclude all state and local taxes levied on or measured by the contract or sales price of the product furnished hereunder. The ordering activity will be invoiced for any such taxes as Contractor receives such tax notices or assessments from the applicable local taxing authority. Pursuant to the provisions of FAR 52.229-1 State and Local Taxes, the ordering activity agrees to pay tax or provide evidence necessary to support an exemption from the tax.

k. ADDITIONAL LEASE TERMS

Offeror may propose additional lease terms and conditions for billings, payments, and/or invoices, as long as they are consistent with the terms and conditions specified elsewhere.

OPTION 2

Option 2 Lease Terms and Conditions contains a cancellation clause, in which the fee must be in accordance with applicable legal principles.

To the extent an Offeror wishes to propose alternative lease terms and conditions that provide for lower discounts/prices based on the ordering activity's stated intent to fulfill the projected term of a lease including option years, while at the same time including separate charges for early end of the lease, the following terms apply. These terms address the timing and extent of the ordering activity's financial obligation including any potential charges for early end of the lease.

52.207-5	Option to Purchase Equipment	Feb 1995
52.227-14	Rights in Data-General	May 2014

1. LEASING PRICE LIST NOTICE

- a. Contractors must include the following notice in their contract price list for SIN 532420L:

"The ordering activity is responsible for the obligation of funds consistent with applicable law. Agencies are advised to review the lease terms and conditions contained in this price list prior to ordering and obligating funding for a lease."

2. STATEMENT OF ORDERING ACTIVITY INTENT

- a. The ordering activity and the Contractor understand that a delivery order issued pursuant to this SIN is a lease arrangement and contemplates the use of the product for the term of the lease specified in such delivery order (the "Lease Term"). In that regard, the ordering Activity, as lessee, understands that the lease provisions contained herein and the rate established for the delivery order are premised on the ordering Activity's intent to fulfill that agreement, including acquiring products for the period of time specified in the order. Each lease hereunder shall be initiated by a delivery order which shall, either through a statement of work or other attachment, specify the product being leased, and the required terms of the transaction.
- b. Each ordering activity placing a delivery order under the terms of this option intends to exercise each renewal option and to extend the lease until completion of the Lease Term so long as the need of the ordering activity for the product or functionally similar product continues to exist and funds are appropriated. Contractor may request information from the ordering activity concerning the essential use of

the products.

3. LEASE TERM

- a. The date on which the ordering activity accepts the products is the Commencement Date of the lease. For acceptance to occur, the products must operate in accordance with the product's published specifications and statement of work. Acceptance shall be in accordance with the terms of the contract or as otherwise negotiated by the ordering activity and the Contractor.
- b. Any lease is executed by the ordering activity on the basis that the known requirement for such product exceeds the initial base period of the delivery order, which is typically 12 months, or for the remainder of the fiscal year. Pursuant to FAR and/or DFAR 232.703-3(b), delivery orders with options to renew that are funded by annual (fiscal year) appropriations may provide for initial base periods and option periods that cross fiscal years as long as the initial base period or each option period does not exceed a 12 month period.. This cross fiscal year authority does not apply to multi-year leases.
- c. The total Lease Term will be specified in each delivery order, including any relevant renewal options of the ordering activity. All delivery orders, whether for the initial base period or renewal period, shall remain in effect through September 30 of the fiscal year (unless extended by statute), through any earlier expiration date specified in the delivery order, or until the ordering activity exercises its rights hereunder to acquire title to the product prior to such expiration date. The ordering activity, at its discretion, may exercise each option to extend the term of the lease through the lease term. Renewal delivery orders shall not be issued for less than all of the product and/or software set forth in the original delivery order. Delivery orders under this SIN shall not be deemed to obligate succeeding fiscal year funds. The ordering activity shall provide the Contractor with written notice of exercise of each renewal option as soon as practicable. Notice requirements may be negotiated on an order-by-order basis.
- d. Where an ordering activity's specific appropriation or procurement authority provides for contracting beyond the fiscal year period, the ordering activity may place a delivery order for a period up to the expiration of the Lease Term, or to the expiration of the period of availability of the multi-year appropriation, or whatever is appropriate under the applicable circumstances.

4. LEASE TERMINATION

- a. The ordering activity must elect the Lease Term of the relevant delivery order. The Contractor (and assignee, if any) will rely on the ordering activity's representation of its intent to fulfill the full Lease Term to determine the monthly lease payments calculated herein.
 - i. The ordering activity may terminate or not renew leases under this option at no cost, pursuant to a Termination for Non-Appropriation as defined herein (see paragraph (c) below). In any other event, the ordering activity's contracting officer may either terminate the relevant delivery order for cause or Termination for Convenience in accordance with GSAR 552.212-4 paragraphs (l) and (m).
 - ii. The Termination for Convenience at the end of a fiscal year allows for separate charges for the early end of the lease (see paragraph (d) below). In the event of termination for the convenience of the ordering activity, the ordering activity may be liable only up to the amount beyond the order's Termination Ceiling. Any termination charges calculated under the Termination for Convenience clause must be determined or identified in the delivery order or in the lease agreement.
 - a. Termination for Convenience of the Ordering Activity: Leases entered into under this option may not be terminated except by the ordering activity's contracting office responsible for the delivery order in accordance with GSAR 552.212-4, Contract Terms and Conditions Commercial Items, paragraph (l) Termination for Convenience of the ordering activity. The costs charged to the ordering activity as the result of any Termination for Convenience of the ordering activity must be reasonable and may not exceed the sum of the fiscal year's payment obligations less payments made to date of termination plus the Termination Ceiling.

- b. Termination for Non-Appropriation: The ordering activity reasonably believes that the bona fide need will exist for the entire Lease Term and corresponding funds in an amount sufficient to make all payments for the lease Term will be available to the ordering activity. Therefore, it is unlikely that leases entered into under this option will terminate prior to the full Lease Term. Nevertheless, the ordering activity's contracting officer may terminate or not renew leases at the end of any initial base period or option period under this paragraph if (a) it no longer has a bona fide need for the product or functionally similar product; or (b) there is a continuing need, but adequate funds have not been made available to the ordering activity in an amount sufficient to continue to make the lease payments. If this occurs, the ordering activity will promptly notify the Contractor, and the product lease will be terminated at the end of the last fiscal year for which funds were appropriated. Substantiation to support a termination for non- appropriation shall be provided to the Contractor upon request.
- c. Termination Charges: At the initiation of the lease, termination ceilings will be established for each year of the lease term. The termination ceiling is a limit on the amount that a Contractor may be paid by the ordering activity on the Termination for Convenience of a lease. No claim will be accepted for future costs: supplies, maintenance, usage charges or interest expense beyond the date of termination. In accordance with the bona fide needs rule, all termination charges must reasonably represent the value the ordering activity received for the work performed based upon the shorter lease term. No Termination for Convenience costs will be associated with the expiration of the lease term.
- d. At the order level, the ordering activity may, consistent with legal principles, negotiate lower monthly payments or rates based upon appropriate changes to the termination conditions in this section.

5. The following terms and conditions may be included.

a. ASSIGNMENT OF CLAIMS

GSAR 552.232-23, Assignment of Claims, is incorporated herein by reference as part of these lease provisions. The ordering activity's contracting officer will acknowledge the assignment of claim for a lease in accordance with FAR 32.8. The extent of the assignee's protection is in accordance with FAR 32.804. Any setoff provision must be in accordance with FAR 32.803.

b. PEACEFUL POSSESSION AND UNRESTRICTED USE

In recognition of the types of products available for lease and the potential adverse impact to the ordering activity's mission, the ordering activity's quiet and peaceful possession and unrestricted use of the product shall not be disturbed in the event the product is sold by the Contractor, or in the event of bankruptcy of the Contractor, corporate dissolution of the Contractor, or other event. The product shall remain in the possession of the ordering activity until the expiration of the lease. Any assignment, sale, bankruptcy, or other transfer of the leased product by the Contractor will not relieve the Contractor of its obligations to the ordering activity and will not change the ordering activity's duties or increase the burdens or risks imposed on the ordering activity.

c. COMMENCEMENT OF LEASE

The date on which the ordering activity accepts the products is the Commencement Date of the lease. Acceptance is as defined elsewhere in the contract, or as further specified in the order.

d. INSTALLATION AND MAINTENANCE

- i. Installation and Maintenance, when applicable, normally are not included in the charge for leasing.

The Contractor may require the ordering activity to obtain installation and maintenance services from a qualified source. The ordering activity may obtain installation and/or maintenance on the open market, from the Contractor's schedule contract, or from other sources. The ordering activity may also perform installation and/or maintenance in house if qualified resources exist. In any event, it is the responsibility of the ordering activity to ensure that maintenance is in effect for the Lease term for all products leased.

- ii. When installation and/or maintenance are ordered under this schedule to be performed by the Contractor, the payments, terms and conditions as stated in this contract apply. The rates and terms and conditions in effect at the time the order is issued shall apply during any subsequent renewal period of the lease. The maintenance rates and terms and conditions may be added to the lease payments with mutual agreement of the parties.

e. MONTHLY PAYMENTS

- i. Prior to the placement of an order under this Special Item Number, the ordering activity and the Contractor must agree on a "base value" for the products to be leased. For Lease to Ownership (Capital Lease) the base value will be the contract purchase price (less any discounts). For Lease with Option to Own (Operating Lease), the base value will be the contract purchase price (less any discounts), less a mutually agreed upon residual value (pre-stated purchase option price at the conclusion of the lease) for the products. The residual value will be used in the calculation of the original lease payment, lease extension payments, and the purchase option price.
- ii. To determine the initial lease term payment, the Contractor agrees to apply the negotiated lease factor to the agreed upon base value:

For Example: Lease factor one (1) percent over the rate for the three-year (or other term) Treasury Bill (T-bill) at the most current U. S. Treasury auction.

The lease payment may be calculated by using a programmed business calculator or by using "rate" functions provided in commercial computer spreadsheets.

- iii. For any lease extension, the extension lease payment will be based on the original residual value, in lieu of the purchase price. The ordering activity and the Contractor shall agree on a new residual value based on the estimated fair market price at the end of the extension. The formula to determine the lease payment will be that in 5.b. Above.
- iv. The purchase option price will be the fair market value of the product or payment will be based upon the unamortized principle, as shown on the payment schedule as of the last payment prior to the date of transfer of ownership, whichever is less.
- v. The point in time when monthly rates are established is subject to negotiation and evaluation at the order level.
- vi. In the event the ordering activity desires, at any time, to acquire title to product leased hereunder, the ordering activity may make a one-time lump sum payment.

f. LEASE END/DISCONTINUANCE OPTIONS

- i. Upon the expiration of the Lease Term, Termination for Convenience, or Termination for Non-Appropriation, the ordering activity will return the Product to the Contractor unless the ordering activity by 30 days written notice elects either:
 - 1. to purchase the product for the residual value of the product, or
 - 2. to extend the term of the Lease, as mutually agreed. To compute the lease payment, the residual value from the preceding lease shall be the initial value of the leased product. A new

residual value shall be negotiated for the extended lease and new lease payments shall be computed.

- ii. Relocation - The ordering activity may relocate products to another location within the ordering activity with prior written notice. No other transfer, including sublease, is permitted. ordering activity shall not assign, transfer or otherwise dispose of any products, or any interest therein, or create or suffer any levy, lien or encumbrance then except those created for the benefit of Contractor or its assigns.
- iii. Returns
 - 1. Within fourteen (14) days after the date of expiration, non-renewal or termination of a lease, the ordering activity shall, at its own risk and expense, have the products packed for shipment in accordance with manufacturer's specifications and return the products to Contractor at the location specified by Contractor in the continental US, in the same condition as when delivered, ordinary wear and tear excepted. Any expenses necessary to return the products to good working order shall be at ordering activity's expense.
 - 2. The Contractor shall conduct a timely inspection of the returned products and within 45 days of the return, assert a claim if the condition of the product exceeds normal wear and tear.
 - 3. Product will be returned in accordance with the terms of the contract and in accordance with Contractor instruction.
 - 4. With respect to software, the ordering activity shall state in writing to the Contractor that it has:
 - a. deleted or disabled all files and copies of the software from the equipment on which it was installed, and;
 - b. returned all software documentation, training manuals, and physical media on which the software was delivered, and;
 - c. has no ability to use the returned software.

g. UPGRADES AND ADDITIONS

- i. The ordering activity may affix or install any accessory, addition, upgrade, product, or device on the product ("additions") provided that such additions:
 - 1. can be removed without causing material damage to the product, and;
 - 2. do not reduce the value of the product, and;
 - 3. are obtained from or approved by the Contractor and are not subject to the interest of any third party other than the Contractor.
- ii. Any other additions may not be installed without the Contractor's prior written consent. At the end of the lease term, the ordering activity shall remove any additions which:
 - 1. were not leased from the Contractor, and;
 - 2. are readily removable without causing material damage or impairment of the intended function, use, or value of the product, and restore the product to its original configuration.
- iii. Any additions that are not so removable will become the Contractor's property (lien free).
- iv. Leases of additions and upgrades must be co-terminus with that of the product.

h. RISK OF LOSS OR DAMAGE

The ordering activity is relieved from all risk of loss or damage to the product during periods of transportation, installation, and during the entire time the product is in possession of the ordering activity, except when loss or damage is due to the fault or negligence of the ordering activity. The ordering activity shall assume risk of loss or damage to the product during relocation, (i.e., moving the product from one ordering activity location to another ordering activity location), unless the Contractor shall undertake such relocation.

i. TITLE

During the lease term, product shall always remain the property of the Contractor. The ordering activity shall have no property right or interest in the product except as provided in this leasing agreement and shall hold the product subject and subordinate to the rights of the Contractor. Software and software licenses shall be deemed personal property. The ordering activity shall have no right or interest in the software and related documentation except as provided in the license and the lease. Upon the Commencement Date of the Lease Term, the ordering activity shall have an encumbered license to use the software for the Lease Term. The ordering activity's encumbered license rights in the software will be subject to the same rights as provided to a purchaser of a license under the terms of this contract except that the ordering activity will not have an unencumbered, paid-up license until it has made all lease payments for the full Lease Term in the case of a Lease To Ownership or has otherwise paid the applicable purchase option price.

j. TAXES

The lease payments, purchase option prices, and interest rates identified herein exclude all state and local taxes levied on or measured by the contract or sales price of the product furnished hereunder. The ordering activity will be invoiced for any such taxes as Contractor receives such tax notices or assessments from the applicable local taxing authority. Pursuant to the provisions of FAR 52.229-1 State and Local Taxes, the ordering activity agrees to pay tax or provide evidence necessary to support an exemption from the tax.

k. ADDITIONAL LEASE TERMS

Offeror may propose additional lease terms and conditions for billings, payments, and/or invoices, as long as they are consistent with the terms and conditions specified elsewhere.

**INFORMATION TECHNOLOGY CATEGORY
HARDWARE SUBCATEGORY
SIN 33411 PURCHASING OF NEW ELECTRONIC EQUIPMENT TERMS AND CONDITIONS**

1. MATERIAL AND WORKMANSHIP

All equipment furnished hereunder must satisfactorily perform the function for which it is intended.

2. ORDER

Written orders, EDI orders (GSA Advantage! and FACNET), credit card orders, and orders placed under blanket purchase agreements (BPA) agreements shall be the basis for purchase in accordance with the provisions of this contract. If time of delivery extends beyond the expiration date of the contract, the Contractor will be obligated to meet the delivery and installation date specified in the original order.

For credit card orders and BPAs, telephone orders are permissible.

3. TRANSPORTATION OF EQUIPMENT

FOB DESTINATION. Prices cover equipment delivery to destination, for any location within the geographic scope of this contract.

4. INSTALLATION AND TECHNICAL SERVICES

Equipment is self-installable unless otherwise indicated.

- a. INSTALLATION. When the equipment provided under this contract is not normally self- installable, the Contractor's technical personnel shall be available to the ordering activity, at the ordering activity's location, to install the equipment and to train ordering activity personnel in the use and maintenance of the equipment. The charges, if any, for such services are listed below, or in the price schedule: **\$76.00 per hour – 2 hour minimum- within a 25 mile radius of Washington, D.C.**
- b. INSTALLATION, DEINSTALLATION, REINSTALLATION. The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall receive less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, de-installation, and reinstallation services.

- c. OPERATING AND MAINTENANCE MANUALS. The Contractor shall furnish the ordering activity with one (1) copy of all operating and maintenance manuals which are normally provided

with the equipment being purchased.

5. INSPECTION/ACCEPTANCE

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any equipment that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming equipment at no increase in contract price. The ordering activity must exercise its post acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

6. WARRANTY

- a. Unless specified otherwise in this contract, the Contractor's standard commercial warranty as stated in the contract's commercial pricelist will apply to this contract.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.
- c. Limitation of Liability: Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.
- d. If inspection and repair of defective equipment under this warranty will be performed at the Contractor's plant. The address is as follows:

**ID Technologies, LLC
19980 Highland Vista Drive, Suite 175
Ashburn, VA 20147
(703) 554-1600 / (800) 929-8331**

7. PURCHASE PRICE FOR ORDERED EQUIPMENT

The purchase price that the ordering activity will be charged will be the ordering activity purchase price in effect at the time of order placement, or the ordering activity purchase price in effect on the installation date (or delivery date when installation is not applicable), whichever is less.

8. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City or otherwise) covering work of this character, and shall include all costs, if any, of such compliance in the prices quoted in this offer.

9. TRADE-IN OF INFORMATION TECHNOLOGY EQUIPMENT

When an ordering activity determines that Information Technology equipment will be replaced, the ordering activity shall follow the contracting policies and procedures in the Federal Acquisition Regulation (FAR), the policies and procedures regarding disposition of information technology excess personal property in the Federal Property Management Regulations (FPMR) (41 CFR 101-43.6), and the policies and procedures on exchange/sale contained in the FPMR (41 CFR part 101-46).

**INFORMATION TECHNOLOGY CATEGORY
HARDWARE SUBCATEGORY
SIN 811212 HARDWARE MAINTENANCE ORDER TERMS**

1. SERVICE AREAS

- a. The maintenance and/or repair service rates per the contract are applicable to any ordering activity locations within a 25-mile radius of the Contractor service points. If any additional charge is to apply because of the greater distance from the Contractor service locations, the mileage rate or other distance factor shall be negotiated at the Task Order level.
- b. When maintenance and/or repair services cannot be performed at the ordering activity installation site, the repair services will be performed at the Contractor's plant(s) listed below:

**ID Technologies, LLC
19980 Highland Vista Drive, Suite 175
Ashburn, VA 20147**

2. LOSS OR DAMAGE

When the Contractor moves equipment to its location for repairs, the Contractor shall be responsible for any damage or loss, from the time the equipment is removed from the ordering activity installation, until the equipment is returned to such installation.

3. SCOPE

- a. The Contractor shall provide maintenance for all equipment listed herein, as requested by the ordering activity during the contract term. Repair service and repair parts/spare parts shall apply exclusively to the equipment types/models within the scope of the Information Technology Category.
- b. Equipment placed under maintenance service shall be in good operating condition.
 - i. In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by the Contractor, without charge to the ordering activity.
 - ii. Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by the Contractor, if the equipment was under the guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.
 - iii. If the equipment was not under the Contractor responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of the contract.

4. RESPONSIBILITIES

- a. For equipment not covered by a maintenance contract or warranty, repair service personnel shall complete repairs as soon as possible after notification by the ordering activity that service is required. Within the service areas, this repair service should normally be done within 4 hours after notification.
- b. If the Ordering Activity task or delivery order specifies a factory authorized/certified service personnel then the Contractor is obligated to provide such a factory authorized/certified service personnel for the equipment to be repaired or serviced, unless otherwise agreed to in advance between the Ordering Activity and the Contractor.

5. MAINTENANCE RATE PROVISIONS

- a. The Contractor shall bear all costs of maintenance, including labor, parts, and such other expenses as are

necessary to keep the equipment in good operating condition, provided that the required repairs are not occasioned by fault or negligence of the ordering activity.

- i. Regular Hours: The basic monthly rate for each make and model of equipment shall entitle the ordering activity to maintenance service during a mutually agreed upon nine (9) hour principal period of maintenance, Monday through Friday, exclusive of holidays observed at the ordering activity location.
- ii. After Hours: Should the ordering activity require that maintenance be performed outside of regular hours, charges for such maintenance, if any, will be specified in the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016). Periods of less than one hour will be prorated to the nearest quarter hour.
- iii. Travel and Transportation: If any charge is to apply, over and above the regular maintenance rates, due to the distance between the ordering activity location and the Contractor's service area, the charge will be negotiated at the Task Order level.

NEGOTIATED ON A CASE-BY-CASE BASIS

	Yes	No
Indicate if there will be an additional charge for travel and transportation.		

- b. Quantity Discounts from listed maintenance service rates for multiple equipment owned and/or leased by an ordering activity shall be provided below.

NEGOTIATED ON A CASE-BY-CASE BASIS

Quantity Range	Discounts
Units	%

Additional maintenance agreements may be obtained at the time of purchase of the equipment:

2 year return to factory \$45
 3 year return to factory \$55
 1 year on site \$70
 2 years on site \$103
 3 years on site \$131

Additional maintenance agreements obtained 30 or more days after purchase of the equipment:

2 year return to factory \$50
 3 year return to factory \$91
 2 years on site \$165
 3 years on site \$286

The above charges include parts and labor.

**INFORMATION TECHNOLOGY CATEGORY
HARDWARE SUBCATEGORY
SIN 811212 HARDWARE REPAIR SERVICE ORDER TERMS**

1. SERVICE AREAS

- a. The maintenance and/or repair service rates per the contract are applicable to any ordering activity locations within a 25-mile radius of the Contractor service points. If any additional charge is to apply because of the greater distance from the Contractor service locations, the mileage rate or other distance factor shall be negotiated at the Task Order level.
- b. When maintenance and/or repair services cannot be performed at the ordering activity installation site, the repair services will be performed at the Contractor's plant(s) listed below:

**ID Technologies, LLC
19980 Highland Vista Drive, Suite 175
Ashburn, VA 20147**

2. LOSS OR DAMAGE

When the Contractor moves equipment to its/OEM location for repairs, the Contractor shall be responsible for any damage or loss, from the time the equipment is removed from the ordering activity installation, until the equipment is returned to such installation.

3. SCOPE

- a. The Contractor shall provide maintenance for all equipment listed herein, as requested by the ordering activity during the contract term. Repair service and repair parts/spare parts shall apply exclusively to the equipment types/models within the scope of the Information Technology Category.
- b. Equipment placed under maintenance and/or service shall be in good operating condition.
 - i. In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by the Contractor, without charge to the ordering activity.
 - ii. Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by the Contractor, if the equipment was under the Contractor guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.
 - iii. If the equipment was not under the Contractor responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of the contract.

4. RESPONSIBILITIES

- a. For equipment not covered by a maintenance contract or warranty, repair service personnel shall complete repairs as soon as possible after notification by the ordering activity that service is required. Within the service areas, this repair service should normally be done within 4 hours after notification.
- b. If the Ordering Activity task or delivery order specifies a factory authorized/certified service personnel then the Contractor is obligated to provide such a factory authorized/certified service personnel for the equipment to be repaired or serviced, unless otherwise agreed to in advance between the Ordering Activity and the Contractor.

5. REPAIR SERVICE RATE PROVISIONS

- a. Charges for repair service will include the labor charge, computed at the rates set forth below, for the time

during which repairmen are actually engaged in work, and, when applicable, the charge for travel or transportation.

- b. **Multiple Machines:** When repairs are ordered by the ordering activity on two or more machines located in one or more buildings within walking distance of each other, the charges will be computed from the time the repairman commences work on the first machine, until the work is completed on the last machine. The time required to go from one machine to another, or from one building to another, will be considered actual work performance, and chargeable to the ordering activity, provided the time consumed in going between machines (or buildings) is reasonable.
- c. **At the Contractor's Facility**
 - i. When equipment is returned to the Contractor's Facility for adjustments or repairs which are not covered by the guarantee/warranty provision, the cost of transportation, packing, etc. from the ordering activity location to the Contractor's plant, and return to the ordering activity location, shall be borne by the ordering activity.
 - ii. The ordering activity should not return defective equipment to the Contractor for adjustments and repairs or replacement without prior consultation and instruction.
- d. **At the Ordering Activity Location (Within Established Service Areas)**
 - i. When equipment is repaired at the ordering activity location, and repair service rates are established for service areas or zones, the listed rates are applicable to any ordering activity location within such service areas or zones. No extra charge, time, or expense will be allowed for travel or transportation of repairmen or machines to or from the ordering activity office; such overhead is included in the repair service rates.
- e. **At the Ordering Activity Location (Outside Established Service Areas)**
 - i. If repairs are to be made at the ordering activity location, and the location is outside the service area terms defined in the GSA Price list. Rates negotiated at the task order will apply.
 - ii. When the overall travel charge computed at the above mileage rate is unreasonable (considering the time required for travel, actual and necessary transportation costs, and the allowable ordering activity per diem rate for each night the repairman is required to remain overnight at the ordering activity location), the ordering activity shall have the option of reimbursing the Contractor for actual costs, provided that the actual costs are reasonable and allowable. The Contractor shall furnish the ordering activity with a report of travel performed and related expenses incurred. The report shall include departure and arrival dates, times, and the applicable mode of travel.
- f. **Labor Rates**
 - i. **Regular Hours:** Contract rates shall entitle the ordering activity to repair service during the period 8:00 a.m. to 5:00 p.m., Monday through Friday, exclusive of holidays observed at the ordering activity location. There shall be no additional charge for repair service, which was requested during regular hours, but performed at the convenience of the Contractor outside the regular hours.
 - ii. **After Hours:** Should the ordering activity require that service be performed outside of regular hours, charges for such service, if any, will be specified in the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016)). Periods of less than one hour will be prorated to the nearest quarter hour.
 - iii. **Sundays and Holidays:** When the ordering activity requires that repair service be performed on Sundays and Holidays observed at the ordering activity location, the Sundays and Holidays repair service rates shall apply, and will be specified in the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016)). Periods of less than one hour will be prorated to the nearest quarter hour.

Repair Service Rates

	Minimum Charge * - Regular Hours	Hourly Rate - After Hours	Hourly Rate - Sunday and Holidays
Contractor Facility	\$122.00* Minimum Charge \$70.72 Regular Hours +Parts	TBD	TBD
Ordering Activity Location (Within Established Service Areas)	\$152.00* Minimum Charge \$76.00 Regular Hours +Parts	TBD	TBD
Ordering Activity Location (Outside Established Service Areas)	TBD	TBD	TBD

*MINIMUM CHARGES INCLUDE 2 FULL HOURS ON THE JOB

6. REPAIR PARTS/SPARE PARTS RATE PROVISION

- a. All parts, furnished as spares or as repair parts in connection with the repair of equipment, unless otherwise indicated in the GSA Price list shall be new, standard parts manufactured by the OEM.
- b. All parts shall be furnished at the prices indicated in the Contractor's then current commercial pricelist at a discount of 0% from such listed prices.

**INFORMATION TECHNOLOGY CATEGORY
IT SOFTWARE SUBCATEGORY
SIN 511210 SOFTWARE LICENSES TERMS AND CONDITIONS**

1. INSPECTION/ACCEPTANCE

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any software that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming software at no increase in contract price. The ordering activity must exercise its post acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the software, unless the change is due to the defect in the software.

2. ENTERPRISE USER LICENSE AGREEMENTS REQUIREMENTS (EULA)

The Contractor shall provide all Enterprise User License Agreements upon request.

3. GUARANTEE/WARRANTY

- a. Unless specified otherwise in this contract, the Contractor's standard commercial guarantee/warranty as stated in the contract's commercial pricelist will apply to this contract.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract. If no implied warranties are given, an express warranty of at least 60 days must be given in accordance with FAR 12.404(b)(2)
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

4. TECHNICAL SERVICES

The Contractor, without additional charge to the ordering activity, shall provide a hot line technical support number 1-800-565-2171 for the purpose of providing user assistance and guidance in the implementation of the software. The technical support number is available from 8:30 am to 5:30 pm EST.

5. SOFTWARE MAINTENANCE

- a. Software maintenance service shall include the maintenance as set forth by each manufacturer of the software.
- b. Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

6. PERIODS OF TERM LICENSES AND MAINTENANCE

- a. The Contractor shall honor orders for periods for the duration of the contract period or a lesser period of time.
- b. Term licenses and/or maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice to the Contractor.
- c. Annual Funding. When annually appropriated funds are cited on an order for term licenses and/or maintenance, the period of the term licenses and/or maintenance shall automatically expire on September 30 of the contract period, or at the end of the contract period, whichever occurs first. Renewal of the term licenses and/or maintenance orders citing the new appropriation shall be required, if the term licenses

and/or maintenance is to be continued during any remainder of the contract period.

- d. Cross-Year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month (fiscal year) period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
- e. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of an order if the term licenses and/or maintenance is to be terminated at that time. Orders for the continuation of term licenses and/or maintenance will be required if the term licenses and/or maintenance is to be continued during the subsequent period.

7. CONVERSION FROM TERM LICENSE TO PERPETUAL LICENSE

- a. The ordering activity may convert term licenses to perpetual licenses for any or all software at any time following acceptance of software. At the request of the ordering activity the Contractor shall furnish, within ten (10) calendar days, for each software product that is contemplated for conversion, the total amount of conversion credits which have accrued while the software was on a term license and the date of the last update or enhancement.
- b. Conversion credits which are provided shall, within the limits specified, continue to accrue from one contract period to the next, provided the software remains on a term license within the ordering activity.
- c. The term license for each software product shall be discontinued on the day immediately preceding the effective date of conversion from a term license to a perpetual license.
- d. The price the ordering activity shall pay will be the perpetual license price that prevailed at the time such software was initially ordered under a term license, or the perpetual license price prevailing at the time of conversion from a term license to a perpetual license, whichever is the less, minus an amount equal to TBD % of all term license payments during the period that the software was under a term license within the ordering activity.

8. TERM LICENSE CESSATION

- a. After a software product has been on a continuous term license for a period of TBD* months, a fully paid-up, non-exclusive, perpetual license for the software product shall automatically accrue to the ordering activity. The period of continuous term license for automatic accrual of a fully paid-up perpetual license does not have to be achieved during a particular fiscal year; it is a written Contractor commitment which continues to be available for software that is initially ordered under this contract, until a fully paid-up perpetual license accrues to the ordering activity. However, should the term license of the software be discontinued before the specified period of the continuous term license has been satisfied, the perpetual license accrual shall be forfeited.
- b. The Contractor agrees to provide updates and maintenance service for the software after a perpetual license has accrued, at the prices and terms of SIN 54151 if the licensee elects to order such services. Title to the software shall remain with the Contractor.

9. UTILIZATION LIMITATIONS

- a. Software acquisition is limited to commercial computer software defined in FAR Part 2.101.
- b. When acquired by the ordering activity, commercial computer software and related documentation so legend shall be subject to the following:
 - i. Title to and ownership of the software and documentation shall remain with the Contractor, unless otherwise specified.
 - ii. Software licenses are by site and by ordering activity. An ordering activity is defined as a cabinet level

or independent ordering activity. The software may be used by any subdivision of the ordering activity (service, bureau, division, command, etc.) that has access to the site the software is placed at, even if the subdivision did not participate in the acquisition of the software. Further, the software may be used on a sharing basis where multiple agencies have joint projects that can be satisfied by the use of the software placed at one ordering activity's site. This would allow other agencies access to one ordering activity's database. For ordering activity public domain databases, user agencies and third parties may use the computer program to enter, retrieve, analyze, and present data. The user ordering activity will take appropriate action by instruction, agreement, or otherwise, to protect the Contractor's proprietary property with any third parties that are permitted access to the computer programs and documentation in connection with the user ordering activity's permitted use of the computer programs and documentation. For purposes of this section, all such permitted third parties shall be deemed agents of the user ordering activity.

- iii. Except as is provided in paragraph 8.b(2) above, the ordering activity shall not provide or otherwise make available the software or documentation, or any portion thereof, in any form, to any third party without the prior written approval of the Contractor. Third parties do not include prime Contractors, subcontractors and agents of the ordering activity who have the ordering activity's permission to use the licensed software and documentation at the facility, and who have agreed to use the licensed software and documentation only in accordance with these restrictions. This provision does not limit the right of the ordering activity to use software, documentation, or information therein, which the ordering activity may already have or obtains without restrictions.
- iv. The ordering activity shall have the right to use the computer software and documentation with the computer for which it is acquired at any other facility to which that computer may be transferred, or in cases of Disaster Recovery, the ordering activity has the right to transfer the software to another site if the ordering activity site for which it is acquired is deemed to be unsafe for ordering activity personnel; to use the computer software and documentation with a backup computer when the primary computer is inoperative; to copy computer programs for safekeeping (archives) or backup purposes; to transfer a copy of the software to another site for purposes of benchmarking new hardware and/or software; and to modify the software and documentation or combine it with other software, provided that the unmodified portions shall remain subject to these restrictions.
- v. "Commercial Computer Software" may be marked with the Contractor's standard commercial restricted rights legend, but the schedule contract and schedule pricelist, including this clause, "Utilization Limitations" are the only governing terms and conditions, and shall take precedence and supersede any different or additional terms and conditions included in the standard commercial legend.

10. SOFTWARE CONVERSIONS

Full monetary credit will be allowed to the ordering activity when conversion from one version of the software to another is made as the result of a change in operating system, or from one computer system to another. Under a perpetual license, the purchase price of the new software shall be reduced by the amount that was paid to purchase the earlier version. Under a term license, conversion credits which accrued while the earlier version was under a term license shall carry forward and remain available as conversion credits which may be applied towards the perpetual license price of the new version.

11. DESCRIPTIONS AND EQUIPMENT COMPATIBILITY

The Contractor shall include, in the schedule pricelist, a complete description of each software product and a list of equipment on which the software can be used. Also, included shall be a brief, introductory explanation of the modules and documentation which are offered.

12. RIGHT-TO-COPY PRICING

Contact Contractor.

**INFORMATION TECHNOLOGY CATEGORY
IT TRAINING SUBCATEGORY
SIN 611420 IT TRAINING TERMS AND CONDITIONS**

1. SCOPE

- a. The Contractor shall provide training courses normally available to commercial customers, which will permit ordering activity users to make full, efficient use of general purpose commercial IT products. Training is restricted to training courses for those products within the scope of this solicitation.
- b. The Contractor shall provide training at the Contractor's facility and/or at the ordering activity's location, as agreed to by the Contractor and the ordering activity.

2. ORDER

Written orders, EDI orders (GSA Advantage! and FACNET), credit card orders, and orders placed under blanket purchase agreements (BPAs) shall be the basis for the purchase of training courses in accordance with the terms of this contract. Orders shall include the student's name, course title, course date and time, and contracted dollar amount of the course.

3. TIME OF DELIVERY

The Contractor shall conduct training on the date (time, day, month, and year) agreed to by the Contractor and the ordering activity.

4. CANCELLATION AND RESCHEDULING

- a. The ordering activity will notify the Contractor at least seventy-two (72) hours before the scheduled training date if a student will be unable to attend. The Contractor will then permit the ordering activity to either cancel the order or reschedule the training at no additional charge. In the event the training class is rescheduled, the ordering activity will modify its original training order to specify the time and date of the rescheduled training class.
- b. In the event the ordering activity fails to cancel or reschedule a training course within the time frame specified in paragraph a, above, the ordering activity will be liable for the contracted dollar amount of the training course. The Contractor agrees to permit the ordering activity to reschedule a student who fails to attend a training class within ninety (90) days from the original course date, at no additional charge.
- c. The ordering activity reserves the right to substitute one student for another up to the first day of class.
- d. In the event the Contractor is unable to conduct training on the date agreed to by the Contractor and the ordering activity, the Contractor must notify the ordering activity at least seventy-two (72) hours before the scheduled training date.

5. FOLLOW-UP SUPPORT

The Contractor agrees to provide each student with unlimited telephone support or online support for a period of one (1) year from the completion of the training course. During this period, the student may contact the Contractor's instructors for refresher assistance and answers to related course curriculum questions.

6. PRICE FOR TRAINING

The price that the ordering activity will be charged will be the ordering activity training price in effect at the time of order placement, or the ordering activity price in effect at the time the training course is conducted, whichever is less.

7. INVOICES AND PAYMENT

Invoices for training shall be submitted by the Contractor after ordering activity completion of the training course. Charges for training must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

8. FORMAT AND CONTENT OF TRAINING

- a. The Contractor shall provide written materials (i.e., manuals, handbooks, texts, etc.) normally provided with course offerings, printed, and copied two-sided on paper containing 30% postconsumer materials (fiber). Such documentation will become the property of the student upon completion of the training class.
- b. ****If applicable**** For hands-on training courses, there must be a one-to-one assignment of IT equipment to students.
- c. The Contractor shall provide each student with a Certificate of Training at the completion of each training course.
- d. The Contractor shall provide the following information for each training course offered:
 - i. The course title and a brief description of the course content, to include the course format (e.g., lecture, discussion, hands-on training);
 - ii. The length of the course;
 - iii. Mandatory and desirable prerequisites for student enrollment;
 - iv. The minimum and maximum number of students per class;
 - v. The locations where the course is offered;
 - vi. Class schedules, and;
 - vii. Price (per student, per class (if applicable)).
- e. For those courses conducted at the ordering activity's location, instructor travel charges (if applicable), including mileage and daily living expenses (e.g., per diem charges) are governed by Pub. L. 99-234 and FAR Part 31.205-46, and are reimbursable by the ordering activity on orders placed under the Multiple Award Schedule, as applicable, in effect on the date(s) the travel is performed. Contractors cannot use GSA city pair contracts. The Industrial Funding Fee does NOT apply to travel and per diem charges.
- f. For Online Training Courses, a copy of all training material must be available for electronic download by the students.

9. "NO CHARGE" TRAINING

The Contractor shall describe any training provided with equipment and/or software provided under this contract, free of charge, in the space provided below.

None, unless offered by Manufacturer.

**INFORMATION TECHNOLOGY CATEGORY
IT SERVICES SUBCATEGORY
SIN 54151S IT SERVICES TERMS AND CONDITIONS**

1. SCOPE

- a. The prices, terms and conditions stated under Special Item Number 54151S apply exclusively to IT Professional Services within the scope of this Multiple Award Schedule.
- b. The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2. PERFORMANCE INCENTIVES I-FSS-60 Performance Incentives (April 2000)

- a. Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract.
- b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
- c. Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity's mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

3. ORDER

- a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4. PERFORMANCE OF SERVICES

- a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- c. The ordering activity should include the criteria for satisfactory completion for each task in the
- d. Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
- e. Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5. STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

- a. The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-
 - i. Cancel the stop-work order; or
 - ii. Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.
- b. If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-
 - i. The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
 - ii. The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- c. If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- d. If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. INSPECTION OF SERVICES

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (MAR 2009) (DEVIATION I - FEB 2007) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS □ COMMERCIAL ITEMS (MAR 2009) (ALTERNATE I □ OCT 2008) (DEVIATION I – FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

7. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Dec 2007) Rights in Data – General, may apply.

8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Professional Services.

9. INDEPENDENT CONTRACTOR

All IT Professional Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

10. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions.

“Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

“Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.

- b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT Professional services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

12. PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract. 52.216-31(Feb 2007) Time-and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition as prescribed in 16.601(e)(3), insert the following provision:

- a. The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.
- b. The offeror must specify fixed hourly rates in its offer that include wages, overhead, general, and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—
 - i. The offeror;

- ii. Subcontractors, and/or;
- iii. Divisions, subsidiaries, or affiliates of the offeror under a common control.

13. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the Ordering Activity upon request.

14. INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

16. DESCRIPTION OF IT PROFESSIONAL SERVICES AND PRICING

See Labor Category Descriptions.

**INFORMATION TECHNOLOGY CATEGORY
TELECOMMUNICATIONS SUBCATEGORY
SIN 517312 WIRELESS MOBILITY SOLUTIONS TERMS AND CONDITIONS**

1. ACCEPTANCE TESTING

The Contractor shall provide acceptance test plans and procedures for ordering activity approval. The Contractor shall perform acceptance testing of the systems for ordering activity approval in accordance with the approved test procedures.

2. EQUIPMENT

The Contractor shall make available cellular voice and data devices. The cellular devices offered shall be compatible with the cellular access standards employed within the geographical scope of contract.

The Contractor shall provide programming of any cellular telephone device, including Contractor-provided and ordering activity-furnished devices, that conforms to the cellular service furnished by the Contractor.

3. WARRANTY

The Contractor shall provide a warranty covering each Contractor-provided device. The minimum duration of the warranty shall be the duration of the manufacturer's commercial warranty for the item listed below:

The warranty shall commence upon the later of the following:

- a. Activation of the user's service
- b. Installation/delivery of the equipment

The Contractor, by repair or replacement of the defective item, shall complete all warranty services within five working days of notification of the defect. Warranty service shall be deemed complete when the user has possession of the repaired or replaced item. If the Contractor renders warranty service by replacement, the user shall return the defective item(s) to the Contractor as soon as possible but not later than ten (10) working days after notification.

4. MANAGEMENT AND OPERATIONS PRICING

The Contractor shall provide management and operations pricing on a uniform basis. All management and operations requirements for which pricing elements are not specified shall be provided as part of the basic service.

5. TRAINING

The Contractor shall provide normal commercial installation, operation, maintenance, and engineering interface training on the system. If there is a separate charge, indicate below: N/A

6. MONTHLY REPORTS

In accordance with commercial practices, the Contractor may furnish the ordering activity/user with a monthly summary ordering activity report.

7. WIRELESS SERVICE PLAN

- a. Describe the wireless service plan and eligibility requirements. Including, but not limited to, service area, monthly service charge, minutes included, etc.

NOT OFFERED

- b. Describe charges, if any, for additional minutes, domestic wireless long distance, roaming, nights and

weekends, etc.

NOT OFFERED

- c. Describe corporate volume discounts and eligibility requirements, if any.

NOT OFFERED

8. TRADE AGREEMENTS ACT

Although contracts awarded under this solicitation are subject to the Trade Agreements Act, Wireless Service under this SIN is not covered by the World Trade Organization Government Procurement Agreement (WTO GPA) or any of the other Free Trade Agreements (FTA). *See* FAR 25.401 (b)(2).

LABOR CATEGORY DESCRIPTIONS

Administrative Support, Specialized (ID SVC – 1)

Functional Responsibility: Provide administrative support to technical and management level personnel. This includes, but is not limited to, general office support, project administration, event planning and administration, office relocation planning, executive secretarial support, etc. May perform other duties as assigned.

Minimum Education / Minimum Experience: High school diploma or GED or other equivalent degree program. Five (5)+ years of experience.

Program Manager (ID SVC – 2)

Functional Responsibility: Plan, organize and direct the efforts of a program team, serve as on-site focal point for technical and administrative matters ensures all data submittals are complete correct and in accordance with contract prior to submittal and track financial data of individual tasks. The Project Manager possesses significant related management experience. Senior executive focal points for all projects within the program responsible for all contractual, staffing, financial, performance and delivery issues.

Minimum Education / Minimum Experience: Bachelor's Degree and 10 years of experience leading teams or projects.

Senior Program Manager (ID SVC – 3)

Functional Responsibility: Responsible for integrating multiple IT projects into a coherent overall Program Plan. Ensure that quality assurance and total quality management practices are implemented with regard to the overall contract. Responsible for the financial accountability of the program/contract. Must possess significant related management experience over multiple projects and at least twelve years of relevant industry experience. Senior executive focal point for all projects within the program. Responsible for all contractual, staffing, financial, performance and delivery issues.

Minimum Education / Minimum Experience: Bachelor's Degree and twelve years of experience leading teams or projects.

Project Administrator (ID SVC – 4)

Functional Responsibility: Generate documents and spreadsheets utilized in status reports, trip reports, briefings, etc. Perform contract deliverable tracking, resource movement tracking, and travel administration. Assist the Project Management staff on tasks related to the administration of the task/delivery order. Experienced in the development and administration of project plans and schedules through the use of computer based scheduling software.

Minimum Education / Minimum Experience: Bachelor's Degree and two (2) years related work experience.

Project Specialist (ID SVC – 5)

Functional Responsibility: Proficient in writing style, punctuation, grammar, and format. Experience in creating technical documents using appropriate computer based software desktop publishing packages including but not limited to Excel, Adobe PageMaker, Ventura, Quark, etc. Train client personnel in subject matter related to information technology. May develop IT course materials. Provide support to data processing and service functions including; 1) documenting IT programs and processes; 2) processing, collecting, testing, maintaining and distributing program and systems documentation; 3) analyzing software code and anomalies; 4) collecting raw information, preparing flow charts, and coding in program languages and 5) word processing support of technical writers and engineers in the preparation of program documentation. Prepare documentation and reports either in standard textual format and/or using commercial software packages to prepare multimedia documents.

Minimum Education / Minimum Experience: Bachelor's degree and at least one (1) year of experience in technical writing/multimedia or specialized training in said field.

Technical Project Manager (ID SVC – 6)

Functional Responsibility: Lead the design, development and maintenance of IT projects including developing layout and detailed drawings, preparing written specifications, performing design calculations, and developing cost estimates. Plan, design, develop, modify, test and support software applications/interfaces as well as translate design and program specifications into functioning software code. Coordinate project needs with other design disciplines. Investigate project design alternatives as identified by the Senior Design Engineer. Perform research for identification of acceptable materials or equipment. Perform on-site inspection of projects. Senior technical focal point for all projects within the program responsible for all contractual, staffing, financial, performance and delivery issues.

Minimum Education / Minimum Experience: Bachelor's Degree in an engineering discipline or four (4) years related work experience in such disciplines as Oracle, C++, PowerBuilder, Visual Basic or similar.

Senior Technical Project Lead (ID SVC – 7)

Functional Responsibility: Possess exceptional expertise in an IT discipline/technology or specific functional area related to IT (environmental compliance for example). Possess a thorough knowledge of design requirements and operational procedures for IT systems, applications, and relational databases. Assist the Program/Project Manager in identifying all required system/software/design changes to be incorporated into project documents as well as configuration management databases. Provide oversight and technical review of project tasks and provides functional analysis in order to achieve optimal design configurations. Interpret various regulations, policies and other constraints and assess their impact on project costs.

Minimum Education / Minimum Experience: Bachelor's Degree in an engineering discipline or related area such as mathematics, environmental sciences, statistics etc. Degree requirements can be substituted for seven (7) years-related work experience.

Management Analyst (ID SVC – 8)

Functional Responsibility: Analyze various aspects of Information Technology organizational functioning, including management, processes, structure, culture, and performance of information technology projects. Conduct organizational or process analysis, utilizing qualitative and quantitative analysis tools and techniques for engineering, operations, and security IT programs. Identify sources of problems, make recommendations for solutions, including designing and implementing appropriate organizational interventions for these IT projects. Apply organizational and management theory and principles to understand and improve organizational effectiveness and efficiency in achieving business goals as it relates to Information Technology projects. Work with all levels of the organization, from leadership and senior management to the workforce; interactions may include coaching, interviewing, workshop facilitation, training, and surveys. Focus is on understanding why and how effectively an organization, program, process or group of people, function in the present manner; how function or performance could be improved; and what should be done to bring about the improvement in effectiveness and/or efficiency of engineering, operations or security IT projects.

Minimum Education / Minimum Experience: Bachelors (or equivalent) and one (1) year of experience.

Management Analyst – Senior (ID SVC – 9)

Functional Responsibility: Under general direction analyze various aspects of organizational functioning, including management, processes, structure, culture, and performance of information technology projects. Conduct organizational or process analysis, utilizing qualitative and quantitative analysis tools and techniques for engineering, operations, and security IT programs. Identify sources of problems, make recommendations for solutions, including designing and implementing appropriate organizational interventions. Apply organizational and management theory and principles to understand and improve organizational effectiveness and efficiency in achieving business goals for these IT Programs. Work with all levels of the organization, from leadership and senior

management to the workforce; interactions may include coaching, interviewing, workshop facilitation, IT training, and surveys. Focus is on understanding why and how effectively an organization, program, process or group of people, function in the present manner; how function or performance could be improved; and what should be done to bring about the improvement in effectiveness and/or efficiency. Develop practical and workable solutions to clients' technical and business problems for engineering, operations, and security IT programs. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex IT projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + two (2) years of experience

Management Analyst – Principal (ID SVC – 10)

Functional Responsibility: Provide technical leadership in analyzing

various aspects of organizational functioning, including management, processes, structure, culture, and performance of information technology projects. Conduct organizational or process analysis, utilizing qualitative and quantitative analysis tools and techniques for engineering, operations, and security IT programs. Identify sources of problems; make recommendations for solutions, including designing and implementing appropriate organizational interventions. Apply organizational and management theory and principles to understand and improve organizational effectiveness and efficiency in achieving business goals as it relates to these IT Programs. Work with all levels of the organization, from leadership and senior management to the workforce; interactions may include coaching, interviewing, workshop facilitation, training, and surveys. Focus is on understanding why and how effectively an organization, program, process or group of people, function in the present manner; how function or performance could be improved; and what should be done to bring about the improvement in effectiveness and/or efficiency in IT Programs. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems for engineering, operations, and security IT programs. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelors + five (5) years of experience

Management Analyst - Subject Matter Expert (SME) (ID SVC – 11)

Functional Responsibility: Recognized technical expert in analyzing various aspects of organizational functioning, including management, processes, structure, culture, and performance of information technology projects. Conduct organizational or process analysis, utilizing qualitative and quantitative analysis tools and techniques for engineering, operations, and security IT programs. Identify sources of problems, make recommendations for solutions, including designing and implementing appropriate organizational interventions as it relates to these IT Programs. Apply organizational and management theory and principles to understand and improve organizational effectiveness and efficiency in achieving business goals for engineering, operations, and security IT programs. Work with all levels of the organization, from leadership and senior management to the workforce; interactions may include coaching, interviewing, workshop facilitation, training, and surveys. Focus is on understanding why and how effectively an organization, program, process or group of people, function in the present manner; how function or performance could be improved; and what should be done to bring about the improvement in effectiveness and/or efficiency for engineering, operations and security IT programs. Highest-level individual contributor in at least one IT technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client IT problems. High level of diverse technical and industry experience related to a specific skill set in Information Technology. Typically has specialization in a particular IT technology or business application. Keep abreast of technological developments and industry trends in the Information Technology field.

Minimum Education / Minimum Experience: Bachelors + eight (8) years of experience

Engineer (ID SVC – 12)

Functional Responsibility: Under supervision, perform a variety of network engineering tasks related to the design and implementation of integrated networks, including hardware, software, equipment and/or personnel. Plan and perform network engineering research, design development, and other assignments in conformance with network design, engineering, and customer specifications. Responsible for the technical part of a major project or a project of lesser complexity and importance than those assigned to a high-level engineer.

Minimum Education / Minimum Experience: Bachelor's degree in Computer Science, Information Systems, Engineering, or a related field with four (4) years general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

Senior Engineer (ID SVC – 13)

Functional Responsibility: Plan, design, develop, install, modify, and test networks, application programs and/or computer based systems. Translate systems/subsystems designs and detailed designs into fully functioning and architecturally compliant networks, applications or computer based systems. Requires knowledge of servers, workstations, and other programmable systems such as controllers and handheld devices. Provide advice on differing networking implementations and designs. Provide problem resolution, compliance testing and design recommendations. Hands on experience with internetworking equipment to include configuration, installation and/or troubleshooting. Work with senior technical and user staff in a consultative role on their projects. Provide assistance and guidance to less experienced contractor technical staff. Provide senior level leadership to the project in all areas of technical implementation.

Minimum Education / Minimum Experience: Bachelor's Degree in an engineering discipline or MCSE certification as well as at least six (6) years of experience.

Network Engineer (ID SVC – 14)

Functional Responsibility: Plan, design, develop, install, modify, and test networks. Translate systems/subsystems designs and detailed designs into fully functioning and architecturally compliant networks. Provide advice on differing networking implementations and designs. Provide problem resolution, compliance testing and design recommendations. Hands on experience with internetworking equipment to include configuration, installation and/or troubleshooting. Work with senior technical and user staff in either a hands on consultative role on their projects. Provide assistance and guidance to less experienced contractor technical staff.

Minimum Education / Minimum Experience: Bachelor's Degree in either an engineering discipline or working towards MCSE certification and at least four (4) years of experience.

Network Engineer – Senior (ID SVC – 15)

Functional Responsibility: Under general direction, design, configure, test, implement and maintain telecommunications capabilities, including wide area and local area networks. Perform operations and support activities. Assist applications programmers working in the telecommunications environment. Evaluate network changes for operational impact. Evaluate network performance and resolves network and processor problems. Familiar with hardware and software diagnostic tools. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: CCNA or equivalent, four (4)+ years of experience

Network Engineer – Principal (ID SVC – 16)

Functional Responsibility: Provide technical leadership in the design, configuration, testing, implementation, and maintenance of telecommunications capabilities, including wide area and local area networks. Perform operations and support activities. Assist applications programmers working in the telecommunications environment. Evaluate network changes for operational impact. Evaluate network performance and resolves network and processor

problems. Familiar with hardware and software diagnostic tools. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: CCNP or equivalent, six (6)+ years of experience

Network Engineer – Subject Matter Expert (SME) (ID SVC – 17)

Functional Responsibility: Recognized technical expert in the design, configuration, testing, implementation, and maintenance telecommunications capabilities, including wide area and local area networks. Perform operations and support activities. Assist applications programmers working in the telecommunications environment. Evaluate network changes for operational impact. Evaluate network performance and resolves network and processor problems. Familiar with hardware and software diagnostic tools. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: CCIE or equivalent, eight (8)+ years of experience

Systems Engineer (ID SVC – 18)

Functional Responsibility: Assess requirements for new or modified systems, performing detailed systems design, preparing written specifications, programming, and conducting module and integration tests. Train client personnel in subject matter related to information technology. May develop IT course materials. Design and maintain database management systems, use CASE technology and structured requirements analysis methodologies such as information engineering. Knowledge of MIL-STDs and system development processes. Provide specific technical expertise to the project in all areas of technical implementation.

Minimum Education / Minimum Experience: Bachelor's Degree and two (2) years of experience.

Systems Engineer – Subject Matter Expert (SME) (ID SVC – 19)

Functional Responsibility: Highly specialized in one or more phases of software systems development, systems integration, or network engineering. Act independently under general direction. Provide technical assistance and advice on complex activities. Formulate/define specifications, develop/modify/maintain complex systems and subsystems using vendor engineering releases and utilities for overall operational systems. Apply analytical techniques when gathering information from users, define work problems, design technology solutions, and develop procedures to resolve the problems. Develop complete specifications to enable computer programmers to prepare required programs. Analyze methods of approach. Review task proposal requirements, gather information, analyze data, prepare project synopses, compare alternatives, prepare specifications, resolve processing problems, coordinate work with programmers and engineers, and orient users to new systems. Work with considerable freedom to make decisions on the techniques and approaches to be used. Prepare recommendations for system improvement for management and user consideration. Provide technical leadership. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelor or equivalent, 10+ years of specific experience in designing, developing, and deploying engineering solutions for large customers

Senior Systems Engineer (ID SVC –20)

Functional Responsibility: Assess requirements for new or modified systems, perform detailed systems design, prepare written specifications, programming and conducting module and integration tests. Design and maintain database management systems, use CASE technology and structured requirements analysis methodologies such as information engineering. Knowledge of MIL-STDs and system development processes. Provide senior level leadership to the project in all areas of technical implementation.

Minimum Education / Minimum Experience: Bachelor's Degree and four (4) years of experience.

Senior Information Engineer (ID SVC –21)

Functional Responsibility: Perform information systems development, systems analysis and design, functional and data requirements analysis, programming, program design and documentation preparation. Implement information engineering projects, systems analysis, design, and programming using CASE and IE tools and methods, systems planning, business information planning, and business analysis. Apply, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques. Assist in establishing standards for information systems procedures.

Minimum Education / Minimum Experience: Bachelor's degree in Computer Science, Information Systems, Engineering, or a related field with eight (8) years of general experience.

Principal Information Engineer (ID SVC –22)

Functional Responsibility: Mentor government task leaders and acts as project manager directing the efforts of other IE Engineers. Full life- cycle experience and expertise in all areas of the IE Methodology. Apply an enterprise-wide set of disciplines for the management, planning, coordination, analysis, design, and construction of information systems on an enterprise-wide basis. Develop analytical and computational techniques and methodology for problem solutions. Experience with manual and automated tools, such as I-CASE, and is familiar with IDEFO process modeling and IDEF 1X data modeling. Plan and manage project schedules, direct the work of other contractors, provide quality assurance reviews, and provides consulting services during the planning, analysis, and design phase of information engineering.

Minimum Education / Minimum Experience: Bachelor's degree in Computer Science, Information Systems, Software Engineering or related field with a minimum of 10 years of demonstrated experience, three (3) of which shall be in the last five (5) years in software engineering and program management in all areas above.

Principal Systems Architect (ID SVC –23)

Functional Responsibility: Provide overall technical direction in systems engineering and in the development of information technology architectures for a variety of software and communications programs. Evaluate organizational work and information flows to determine the optimum information technology architecture for the domain or enterprise. Establish system requirements in the development of enterprise-wide or large-scale information technology programs. Design software, hardware, and communications to support total requirements and provides required interfaces to other systems, domains, or enterprises. Provide guidance and direction to system architects and software developers.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of 12 years of experience, of which the last nine (9) years must be specialized. Master's degree in Computer Science Engineering, or related technical discipline, with a minimum of 10 years of experience, of which the last seven (7) years must be specialized. Ph. D requires eight (8) years of general experience, of which the last six (6) years must be specialized.

Functional Analyst (ID SVC –24)

Functional Responsibility: Provide overall technical direction in systems engineering and in the development of information technology architectures for a variety of software and communications programs. Evaluate organizational work and information flows to determine the optimum information technology architecture for the domain or enterprise. Establish system requirements in the development of enterprise-wide or large-scale

information technology programs. Design software, hardware, and communications to support total requirements and provides required interfaces to other systems, domains, or enterprises. Provide guidance and direction to system architects and software developers.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of 12 years of experience, of which the last nine (9) years must be specialized. Master's degree in Computer Science Engineering, or related technical discipline, with a minimum of 10 years of experience, of which the last seven (7) years must be specialized. Ph. D requires eight (8) years of general experience, of which the last six (6) years must be specialized.

Senior Functional Analyst (ID SVC –25)

Functional Responsibility: Responsible for analysis of hardware, software, and/or communications programs, business processes, and/or functional processes. Define, design, and recommend processes and procedures supporting the implementation of information technology which support business or other functional processes. Develop documentation supporting analysis and makes recommendations on design and implementation of complex IT systems.

Minimum Education / Minimum Experience: Bachelor's degree in computer science, information systems, engineering, business, or related discipline with a minimum of five (5) years of experience.

Enterprise Architect (ID SVC –26)

Functional Responsibility: Establish system information requirements using analysis of the information engineer(s) in the development of enterprise-wide or large scale information systems. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross- functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action. Provide daily supervision and direction to staff.

Minimum Education / Minimum Experience: Bachelors (or equivalent) six (6)+ years of experience doing design and engineering

Enterprise Architect – Senior (ID SVC –27)

Functional Responsibility: Establish system information requirements using analysis of the information engineer(s) in the development of enterprise-wide or large scale information systems. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross- functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action. Provide daily supervision and direction to staff.

Minimum Education / Minimum Experience: Bachelors (or equivalent) six (6)+ years of experience doing design and engineering

Enterprise Architect – Principal (ID SVC –28)

Functional Responsibility: Provide technical leadership in establishing system information requirements using analysis of the information engineer(s) in the development of enterprise-wide or large scale information systems. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices. May be required to act as a technical supervisor. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action. Provide daily supervision and direction to staff.

Minimum Education / Minimum Experience: Bachelors (or equivalent) 10+ years of experience doing design and engineering

Enterprise Architect – Subject Matter Expert (SME) (ID SVC –29)

Functional Responsibility: Recognized technical expert in establishing system information requirements using analysis of the information engineer(s) in the development of enterprise-wide or large scale information systems. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Keep abreast of technological developments and industry trends. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action. Provide daily supervision and direction to staff.

Minimum Education / Minimum Experience: Bachelors (or equivalent) 12+ years of experience doing design and engineering

Identity Management Architect (ID SVC – 30)

Functional Responsibility: Define and integrate disparate identity stores. In depth understanding of certificate based authentication mechanisms for directory integrated and non-directory integrated applications. Responsible for the consolidation, migration, and manipulation from one identity store environment to another. Strong understanding of Microsoft Active Directory as well as other directory solutions to include other LDAP and X.500 directory stores. Evaluate the impact of proposed solutions onto the network and be responsible for ensuring design and implementation fits architectural guidance.

Minimum Education / Minimum Experience: Bachelors + six (6) years of experience with enterprise identity management environments

Identity Management Architect – Senior (ID SVC – 31)

Functional Responsibility: Under general direction define and integrate disparate identity stores. In depth understanding of certificate based authentication mechanisms for directory integrated and non- directory integrated applications. Responsible for the consolidation, migration, and manipulation from one identity store environment to another. Strong understanding of Microsoft Active Directory as well as other directory solutions to include other LDAP and X.500 directory stores. Evaluate the impact of proposed solutions onto the network and be responsible for ensuring design and implementation fits architectural guidance. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelors + eight (8) years of experience with enterprise identity management environments

Identity Management Architect – Principal (ID SVC – 32)

Functional Responsibility: Provide technical leadership in defining and integrating disparate identity stores. In depth understanding of certificate based authentication mechanisms for directory integrated and non-directory integrated applications. Responsible for the consolidation, migration, and manipulation from one identity store environment to another. Strong understanding of Microsoft Active Directory as well as other directory solutions to include other LDAP and X.500 directory stores. Evaluate the impact of proposed solutions onto the network and be responsible for ensuring design and implementation fits architectural guidance. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelors + 10 years of experience with enterprise identity management environments

Identity Management Architect - Subject Matter Expert (SME) (ID SVC – 33)

Functional Responsibility: Recognized technical expert in defining and integrating disparate identity stores. In depth understanding of certificate based authentication mechanisms for directory integrated and non-directory integrated applications. Responsible for the consolidation, migration, and manipulation from one identity store environment to another. Strong understanding of Microsoft Active Directory as well as other directory solutions to include other LDAP and X.500 directory stores. Evaluate the impact of proposed solutions onto the network and be responsible for ensuring design and implementation fits architectural guidance. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: Bachelors + 12 years of experience with enterprise identity management environments

Network Architect (ID SVC – 34)

Functional Responsibility: Define and integrate various Networking Components (i.e., Firewalls, Load Balancing, Port Connectivity, Security, Monitoring) into a structured, repeatable, and hierarchical environment. Responsibilities include designing and building out data center and large campus environments. Additional responsibilities include the design and implementation of large wide area networks using advanced routing protocols such as BGP, EIGRP and OSPF. Additional WAN technologies to include MPLS, DMVPN, ATM and Frame Relay. Evaluate the impact

of proposed solutions onto the network and be responsible for ensuring design and implementation fits architectural guidance.

Minimum Education / Minimum Experience: Bachelors + six (6) years of experience with enterprise Network Environments

Network Architect – Senior (ID SVC – 35)

Functional Responsibility: Under general direction, define and integrate various Networking Components (i.e., Firewalls, Load Balancing, Port Connectivity, Security, Monitoring) into a structured, repeatable, and hierarchical environment. Responsibilities include designing and building out data center and large campus environments. Additional responsibilities include the design and implementation of large wide area networks using advanced routing protocols such as BGP, EIGRP and OSPF. Additional WAN technologies to include MPLS, DMVPN, ATM and Frame Relay. Evaluate the impact of proposed solutions onto the network and be responsible for ensuring design and implementation fits architectural guidance. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelors + eight (8) years of experience with enterprise Network Environments

Network Architect – Principal (ID SVC – 36)

Functional Responsibility: Provide technical leadership in defining and integrating various Networking Components (i.e., Firewalls, Load Balancing, Port Connectivity, Security, Monitoring) into a structured, repeatable, and hierarchical environment. Responsibilities include designing and building out data center and large campus environments. Additional responsibilities include the design and implementation of large wide area networks using advanced routing protocols such as BGP, EIGRP and OSPF. Additional WAN technologies to include MPLS, DMVPN, ATM and Frame Relay. Evaluate the impact of proposed solutions onto the network and be responsible for ensuring design and implementation fits architectural guidance. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelors + 10 years of experience with enterprise Network Environments

Network Architect – Subject Matter Expert (SME) (ID SVC – 37)

Functional Responsibility: Recognized technical expert in defining and integrating various Networking Components (i.e., Firewalls, Load Balancing, Port Connectivity, Security, Monitoring) into a structured, repeatable, and hierarchical environment. Responsibilities include designing and building out data center and large campus environments. Additional responsibilities include the design and implementation of large wide area networks using advanced routing protocols such as BGP, EIGRP and OSPF. Additional WAN technologies to include MPLS, DMVPN, ATM and Frame Relay. Evaluate the impact of proposed solutions onto the network and be responsible for ensuring design and implementation fits architectural guidance. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: Bachelors + 12 years of experience with enterprise Network Environments

Quality Assurance Manager (ID SVC – 38)

Functional Responsibility: Perform analysis of quality processes. Establish, implement, and maintain processes for evaluating quality in all aspects of the software development life cycle. Determine the resources needed for a quality assurance or quality control program. Conduct reviews of quality throughout the life cycle of a system or program. Provide daily supervision and direction to staff.

Minimum Education / Minimum Experience: Bachelor's degree in computer science or related discipline with a minimum of eight (8) years of experience, of which the last five (5) years is specialized. Master's degree with a minimum of six (6) years of experience, of which the last four (4) is specialized. Ph. D with a minimum of two (2) years of experience. A degree is not required with 13 years of experience, of which the last 11 is specialized.

Quality Assurance Analyst (ID SVC – 39)

Functional Responsibility: Provide technical and administrative direction for personnel performing software development tasks, including the review of work products for correct ness, adherence to the design concept and to user standards, and for progress in accordance with schedules. Coordinate with the Manager to ensure problem solution and user satisfaction. Make recommendations, if needed, for approval of major systems installations. Prepare status reports and deliveries on the system concept to colleagues, subordinates, and end- users. May provide daily supervision and direction to support staff.

Minimum Education / Minimum Experience: Bachelor's degree in computer science or related discipline with a minimum of six (6) years of experience, of which the last three (3) years is specialized.

Configuration Management (CM) (ID SVC – 40)

Functional Responsibility: Develop, administer, and implement CM plans and procedures. Control configuration baselines and interfaces through engineering change proposal/specification processing. Conduct functional and physical configuration audits and formal qualification reviews. Establish and maintain CM documentation control systems. Maintain the master records for the establishment and change of configuration baselines, engineering release systems, configuration item development record, and configuration status accounting.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of four (4) years overall experience, of which the last two (2) - three (3) must be specialized.

Configuration Management (CM) – Senior (ID SVC – 41)

Functional Responsibility: Develop, administer, and implement CM plans and procedures. Control configuration baselines and interfaces through engineering change proposal/specification processing. Conduct functional and physical configuration audits and formal qualification reviews. Establish and maintain CM documentation control systems. Maintain the master records for the establishment and change of configuration baselines, engineering release systems, configuration item development record, and configuration status accounting.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of seven (7) years overall experience, of which the last five (5) must be specialized.

Configuration Management (CM) – Principal (ID SVC – 42)

Functional Responsibility: Develop, administer, and implement CM plans and procedures. Control configuration baselines and interfaces through engineering change proposal/specification processing. Conduct functional and physical configuration audits and formal qualification reviews. Establish and maintain CM documentation control systems. Maintain the master records for the establishment and change of configuration baselines, engineering release systems, configuration item development record, and configuration status accounting.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of nine (9) years overall experience, of which the last five (5) must be specialized.

Junior Information Security Analyst (ID SVC – 43)

Functional Responsibility: Apply a variety of information assurance disciplines for analysis, systems security architecture and design, integration, and security testing across enterprise segments. Develop analytical methodologies, security approaches, techniques, processes, security procedures, and schedules for development of sub-systems or medium-sized systems. Analyze and recommend resolution of IA problems based on knowledge of the major IA products and services. Experience in vulnerability analysis, risk assessment and system installation environment recommendations for safeguards and countermeasures.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of seven (7) years of experience, of which the last five (5) years is specialized. Master's degree with a minimum of three (3) years of experience, of which the last two (2) years is specialized.

Information Security Analyst (ID SVC – 44)

Functional Responsibility: Apply an enterprise-wide set of disciplines for program planning, analysis, secure system architecture and design, integration, and security testing across major enterprise segments. Develop information assurance analytical methodologies, approaches, techniques, processes, procedures, and schedules development of sub- systems or small to medium sized systems. Perform enterprise-wide information assurance strategic planning, security policy development and requirements identification. Experience in threat assessment, vulnerability analysis, system testing system testing, enterprise-wide security related countermeasure selection and implementation, security documentation, and system/network risk migration. Responsible for managing security implementation for developing and legacy systems/networks.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of five (5) years of experience, of which the last two (2) years are specialized. Master's degree with a minimum of two (2) years of experience. CISSP is desired.

Information Security Analyst - Subject Matter Expert (SME) (ID SVC – 45)

Functional Responsibility: Recognized technical expert Provides technical support in the areas of vulnerability assessment, risk assessment, network security, product evaluation, and security implementation. Highest-level individual contributor in this area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Responsible for designing and implementing solutions for protecting the confidentiality, integrity, and availability of sensitive information. Provide technical evaluations of customer systems and assists with making security improvements. Participate in design of information system contingency plans that maintain appropriate levels of protection and meet time requirements for minimizing operations impact to customer organization. Conduct security product evaluations, and recommend products, technologies, and upgrades to improve the customer's security posture. Conduct testing and audit log reviews to evaluate the effectiveness of current security measures.

Minimum Education / Minimum Experience: Bachelor or equivalent, 10+ years of specific experience in designing, developing, and accessing security solutions for large customers.

Senior Information Security Analyst (ID SVC – 46)

Functional Responsibility: Apply an enterprise-wide set of disciplines for program planning, analysis, secure system architecture and design, integration, and security testing across major enterprise segments. Develop information assurance analytical methodologies, approaches, techniques, processes, procedures, and schedules development of sub- systems or small to medium sized systems. Experience in threat assessment, vulnerability analysis, risk assessment and system/network risk migration. Responsible for managing security implementation for developing and legacy systems/networks.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of seven (7) years of experience, of which the last five (5) years are specialized. Master's degree with a minimum of three (3) years of experience, of which the last two (2) years are specialized. CISSP is desired.

Systems Security Architect (ID SVC – 47)

Functional Responsibility: Lead developing, implementing, and maintaining enterprise-wide information security capabilities. Analyze the enterprise business models and IT systems to determine security risks and risk management considerations. Define enterprise and system level security requirements. Propose technical solutions for systems and applications-level security architecture and design. Develop security plans, policies, and procedures.

Minimum Education / Minimum Experience: Bachelors (or equivalent) six (6)+ years of experience doing enterprise security engineering activities

Systems Security Architect – Senior (ID SVC – 48)

Functional Responsibility: Under general direction, lead developing, implementing, and maintaining enterprise-wide information security capabilities. Analyze the enterprise business models and IT systems to determine security risks and risk management considerations. Defines enterprise and system level security requirements. Propose technical solutions for systems and applications-level security architecture and design. Develop security plans, policies, and procedures. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements. May be required to act as a technical supervisor.

Minimum Education / Minimum Experience: Bachelors (or equivalent) eight (8)+ years of experience doing enterprise security engineering activities

Systems Security Architect – Principal (ID SVC – 49)

Functional Responsibility: Provide technical leadership in Leads developing, implementing, and maintaining enterprise-wide information security capabilities. Analyze the enterprise business models and IT systems to determine security risks and risk management considerations. Define enterprise and system level security requirements. Propose technical solutions for systems and applications- level security architecture and design. Develop security plans, policies, and procedures. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices. May be required to act as a technical supervisor.

Minimum Education / Minimum Experience: Bachelors (or equivalent) 10+ years of experience doing enterprise security engineering activities

Systems Security Architect - Subject Matter Expert (SME) (ID SVC – 50)

Functional Responsibility: Recognized technical expert in developing, implementing, and maintaining enterprise-wide information security capabilities. Analyze the enterprise business models and IT systems to determine security risks and risk management considerations. Define enterprise and system level security requirements. Propose technical solutions for systems and applications-level security architecture and design. Develop security plans, policies, and procedures. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: Bachelors (or equivalent) 12+ years of experience doing enterprise security engineering activities

Cyber Security Engineer (ID SVC – 51)

Functional Responsibility: Perform assessment of present levels of cyber security, defines acceptable levels of risk, trains all personnel in proper cyber hygiene, and establishes formal maintenance procedures. Perform privacy impact assessments and provides PII data security and monitoring, and migration strategies. Identify potential vulnerabilities to cyber and information security using penetration testing and red teams. Provide technologies for identification, modeling, and predictive analysis of cyber threats.

Minimum Education / Minimum Experience: Bachelors (or equivalent) two (2)+ years of experience doing cyber security activities

Cyber Security Engineer – Senior (ID SVC – 52)

Functional Responsibility: Under general direction, perform assessment of present levels of cyber security, defines acceptable levels of risk, trains all personnel in proper cyber hygiene, and establishes formal maintenance procedures. Perform privacy impact assessments and provides PII data security and monitoring, and migration strategies. Identify potential vulnerabilities to cyber and information security using penetration testing and red teams. Provide technologies for identification, modeling, and predictive analysis of cyber threats. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements. May be required to act as a technical supervisor. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action. Provide daily supervision and direction to staff.

Minimum Education / Minimum Experience: Bachelors (or equivalent) five (5)+ years of experience doing cyber security activities

Cyber Security – Principal (ID SVC – 53)

Functional Responsibility: Provide technical leadership in performing assessment of present levels of cyber security, define acceptable levels of risk, trains all personnel in proper cyber hygiene, and establishes formal maintenance procedures. Perform privacy impact assessments and provides PII data security and monitoring, and migration strategies. Identify potential vulnerabilities to cyber and information security using penetration testing and red teams. Provide technologies for identification, modeling, and predictive analysis of cyber threats. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices. Technical supervisor. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. Ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action. Provides daily supervision and direction to staff.

Minimum Education / Minimum Experience: Bachelors (or equivalent) eight (8)+ years of experience doing cyber security activities

Cyber Security – Subject Matter Expert (SME) (ID SVC – 54)

Functional Responsibility: Recognized technical expert in performing assessments of present levels of cyber security, defines acceptable levels of risk, trains all personnel in proper cyber hygiene, and establishes formal maintenance procedures. Perform privacy impact assessments and provides PII data security and monitoring, and migration strategies. Identify potential vulnerabilities to cyber and information security using penetration testing and red teams. Provide technologies for identification, modeling, and predictive analysis of cyber threats. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Keep abreast of technological developments and industry trends. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. Ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action. Provide daily supervision and direction to staff.

Minimum Education / Minimum Experience: Bachelors (or equivalent) 10+ years of experience doing cyber security activities

Systems Administrator (ID SVC – 55)

Functional Responsibility: Responsible for the technical administration of a server-based computer system. Oversee the day to day activities for the system and is responsible for all applications present on the system. Administer related systems, including security, communications, software applications, electronic mail, bulletin boards, printing services, outside communication links, licensing, and any other initial troubleshooting. Maintain server management records.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of five (5) years of experience, of which the last three (3) years must be specialized. A degree is not required with seven (7) years of experience, of which the last four (4) years are specialized.

Data Entry Clerk (ID SVC – 56)

Functional Responsibility: Operate a data entry device to record or verify a variety of standard coded or uncoded business or statistical source data into a computer. Rely on instructions and pre-established guidelines to perform the functions of the job. Work under immediate supervision.

Minimum Education / Minimum Experience: High school diploma or its equivalent and two (2) years of experience.

Data Entry Specialist (ID SVC – 57)

Functional Responsibility: Experienced in using a computer for a variety of documents/spread sheets including status reports, trip reports, meeting minutes, briefing slides, etc. Knowledgeable of file setup and maintenance, classified material handling and storage procedures, and reproduction/publishing techniques. Prepare documents and spreadsheets including status reports, trip reports, meeting minutes, briefing slides, etc.

Minimum Education / Minimum Experience: A minimum of one (1) year experience in clerk/assistant type work is required. Relevant education beyond high school may be substituted on a one for one basis for experience.

Junior Database Administrator (ID SVC – 58)

Functional Responsibility: Apply knowledge of computer science concepts and techniques in the design, development, installation, and maintenance of relational databases. Develop and maintain necessary public

synonyms, database links, and user access controls. Provide database tuning and monitoring to insure effective and efficient data access to include comparison of performance ratios, tuning of memory, configuration, disk I/O and application software, design and maintenance of the physical layout of the databases, and calculating disk space requirements for database tables and indexes.

Minimum Education / Minimum Experience: Bachelor's degree with three (3) - five (5) years of experience in a similar role, in which the last two (2) - three (3) years must be specialized.

Database Administrator (ID SVC – 59)

Functional Responsibility: Apply knowledge of computer science concepts and techniques in the design, development, installation, and maintenance of relational databases. Develop and maintains necessary public synonyms, database links, and user access controls. Provide database tuning and monitoring to insure effective and efficient data access to include comparison of performance ratios, tuning of memory configuration, disk I/O, and application software. Design and maintenance of the physical layout of the database and calculating disk space requirements for database tables and indexes. Responsible for segments or phases of broader, more complex projects.

Minimum Education / Minimum Experience: Bachelor's degree with five (5) - seven (7) years overall experience, of which the last four (4) - five (5) years of experience must be specialized.

Senior Database Administrator (ID SVC – 60)

Functional Responsibility: Apply knowledge of computer science concepts and techniques in the design, development, installation, and maintenance of relational databases. Develop and maintain necessary public synonyms, database links, and user access controls. Provide database tuning and monitoring to ensure effective and efficient data access to include comparison of performance ratios, tuning of memory configuration, disk I/O, and application software, design and maintenance of the physical layout of the databases and calculating disk space requirements for database tables and indexes. Responsible for developing project plans, justifications, guidelines, and controls.

Minimum Education / Minimum Experience: Bachelor's degree with seven (7) years overall experience, of which the last five (5) years must be specialized.

Database Warehousing/Mining Specialist (ID SVC – 61)

Functional Responsibility: Design, implement and support data warehousing. Implements business rules via stored procedures, middleware, or other technologies. Define user interfaces and functional specifications. Responsible for verifying accuracy of data, and the maintenance and support of the data warehouse. Experienced in database design, particularly in the integration of multiple data sources into a single repository. Experienced in applying data analysis and statistical techniques on large data sets, to develop predictive models that address and targeted problems. Experienced in utilizing data that is multichannel (web, email, direct mail, and call center) in origin and application. Ability to perform sophisticated statistical analysis and also interprets the data and communicates results to technical and non- technical audiences.

Minimum Education / Minimum Experience: Bachelor (or equivalent) + two (2) years of programming experience

Database Warehousing/Mining Specialist – Senior (ID SVC – 62)

Functional Responsibility: Under general direction design, implement and support data warehousing. Implement business rules via stored procedures, middleware, or other technologies. Define user interfaces and functional specifications. Responsible for verifying accuracy of data, and the maintenance and support of the data warehouse. Experienced in database design, particularly in the integration of multiple data sources into a single repository. Experienced in applying data analysis and statistical techniques on large data sets, to develop predictive models that address and targeted problems. Experienced in utilizing data that is multichannel (web, email, direct mail, and call center) in origin and application. Perform sophisticated statistical analysis and also interpret the data and communicate results to technical and non-technical audiences. Develop practical and workable solutions to clients'

technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelor (or equivalent) + five (5) years of programming experience

Database Warehousing/Mining Specialist – Principal (ID SVC – 63)

Functional Responsibility: Provide technical leadership in the design, implementation, and support of data warehousing. Implement business rules via stored procedures, middleware, or other technologies. Define user interfaces and functional specifications. Responsible for verifying accuracy of data, and the maintenance and support of the data warehouse. Experienced in database design, particularly in the integration of multiple data sources into a single repository. Experienced in applying data analysis and statistical techniques on large data sets, to develop predictive models that address and targeted problems. Experienced in utilizing data that is multichannel (web, email, direct mail, and call center) in origin and application. Perform sophisticated statistical analysis and also interpret the data and communicate results to technical and non-technical audiences. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelor (or equivalent) + eight (8) years of programming experience

Database Warehousing/Mining Specialist - Subject Matter Expert (SME) (ID SVC – 64)

Functional Responsibility: Recognized technical expert in the design, implementation, and support of data warehousing. Implements business rules via stored procedures, middleware, or other technologies. Define user interfaces and functional specifications. Responsible for verifying accuracy of data, and the maintenance and support of the data warehouse. Experienced in database design, particularly in the integration of multiple data sources into a single repository. Experienced in applying data analysis and statistical techniques on large data sets, to develop predictive models that address and targeted problems. Experienced in utilizing data that is multichannel (web, email, direct mail, and call center) in origin and application. Perform sophisticated statistical analysis and also interpret the data and communicate results to technical and non-technical audiences. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: Bachelor (or equivalent) + 10 years of programming experience

Junior Programmer (ID SVC – 65)

Functional Responsibility: Perform analysis and develops, integrates, and maintains both systems and applications software as required. Perform enterprise or organization-wide planning and design of technical solutions requiring the application of information technology. Perform analysis and validation of IT requirements. Implement efforts within the systems software domain.

Minimum Education / Minimum Experience: Bachelor's degree in computer science or related field, with a minimum of three (3) years of experience, of which two (2) must be specialized. A degree is not required with five (5) years overall experience, of which two (2) must be in a selected skill.

Programmer (ID SVC – 66)

Functional Responsibility: Perform analysis and develops, integrates, and maintains both systems and applications software as required. Perform enterprise or organization-wide planning and design of technical solutions requiring

the application of information technology. Perform analysis and validation of IT requirements. Plan and manage efforts within the systems software domain.

Minimum Education / Minimum Experience: Bachelor's degree in computer science or related field, with a minimum of five (5) years of experience, of which three (3) must be specialized.

Programmer – Principal (ID SVC – 67)

Functional Responsibility: Provide technical leadership in analyzing functional business applications and design specifications for functional activities. Develop block diagrams and logic flow charts. Translate detailed design into computer software. Test, debug and refine the computer software to produce the required product. Prepare required documentation, including both program-level and user-level documentation. Enhance software to reduce operating time or improve efficiency. Provide technical direction to lower level programmers to ensure program deadlines are met. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelors or equivalent + eight (8) years of experience doing application development

Programmer - Subject Matter Expert (SME) (ID SVC – 68)

Functional Responsibility: Recognized technical expert in analyzing functional business applications and design specifications for functional activities. Develop block diagrams and logic flow charts. Translate detailed design into computer software. Test, debug and refine the computer software to produce the required product. Prepare required documentation, including both program-level and user-level documentation. Enhance software to reduce operating time or improve efficiency. Provide technical direction to lower level programmers to ensure program deadlines are met. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices. Function as the highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: Bachelors or equivalent + 10 years of experience doing application development

Senior Programmer (ID SVC – 69)

Functional Responsibility: May serve as task or project leader. Perform analysis and develops, integrates, and maintains both systems and applications software as required. Perform enterprise or organization-wide planning and design of technical solutions requiring the application of information technology. Perform analysis and validation of IT requirements. Plan and manage efforts within the systems software domain.

Minimum Education / Minimum Experience: Bachelor's degree in computer science or related field, with a minimum of six (6) years of experience, of which four (4) must be specialized. Master's degree with a minimum of four (4) years of experience, of which the last four (4) are specialized. A degree is not required with 10 years overall experience, of which the last eight (8) years must be specialized.

Senior Programmer Specialist (ID SVC – 70)

Functional Responsibility: May serve as task or project leader. Perform analysis and develops, integrates, and maintains both systems and applications software as required. Perform enterprise or organization-wide planning and design of technical solutions requiring the application of information technology. Perform analysis and validation of IT requirements. Plan and manage efforts within the systems software domain.

Minimum Education / Minimum Experience: Bachelor's degree in computer science or related field, with a minimum of 10 years of experience, of which four (4) must be specialized. Master's degree with a minimum of eight (8) years of experience, of which the last four (4) are specialized.

Systems Analyst (ID SVC – 71)

Functional Responsibility: Conduct system planning to include requirement definition, implementation planning, and lifecycle cost estimates. Undertake analysis supporting software programs. Define, design, and specify processes and procedures supporting the implementation of information technology. Develop documentation supporting analysis and makes recommendations on design and implementation of complex systems.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of five (5) years of experience, of which the last three (3) are specialized. A degree is not required with nine (9) years of experience, of which five (5) are specialized.

Senior Systems Analyst (ID SVC – 72)

Functional Responsibility: Conduct system planning to include requirement definition, implementation planning, and lifecycle cost estimates. Perform analysis or studies enhancing or implementing systems software solutions. Undertake significant analysis within software programs. Define, design, and specify processes and procedures supporting the implementation of information technology, which support business or other functional areas. Develop documentation supporting analysis and makes recommendations on design and implementation of complex IT systems. May serve as task or project leader.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of seven (7) years of experience, of which the last five (5) are specialized. A degree is not required with 11 years of experience, of which seven (7) are specialized.

Senior Applications Programmer (ID SVC – 73)

Functional Responsibility: Plan, design, develop, modify, and test application programs. Translate systems/subsystems designs and detailed designs into applications logic. Provide advice on differing control systems applications designs and access methods in problem resolution, design, and development situations. Work with other senior technical and user staff to complete projects as well as provide assistance and guidance to less experienced technical staff.

Minimum Education / Minimum Experience: Bachelor's Degree in an engineering discipline or seven (7) years related work experience.

Software Engineer (ID SVC – 74)

Functional Responsibility: Design, develop, and provide customization of various applications to meet a series of pre-defined requirements. Requirements will be met through the use of various programming languages and possibly machine and assembly languages.

Minimum Education / Minimum Experience: Bachelor (or applicable substitution) + two (2) years of Application Development experience

Software Engineer – Senior (ID SVC – 75)

Functional Responsibility: Under general direction design, develop, and provide customization of various applications to meet a series of pre-defined requirements. Requirements will be met through the use of various programming languages and possibly machine and assembly languages. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Competent to work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelor (or applicable substitution) + five (5) years of Application Development experience

Software Engineer – Principal (ID SVC – 76)

Functional Responsibility: Provide technical leadership in designing, developing, and providing customization of various applications to meet a series of pre-defined requirements. Requirements will be met through the use of various programming languages and possibly machine and assembly languages. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelor (or applicable substitution) + eight (8) years of

Application Development experience

Software Engineer – Subject Matter Expert (SME) (ID SVC – 77)

Functional Responsibility: Recognized technical expert in Designing, developing, and providing customization of various applications to meet a series of pre-defined requirements. Requirements will be met through the use of various programming languages and possibly machine and assembly languages. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: Bachelor (or applicable substitution) + 10 years of Application Development experience

Software Tester (ID SVC – 78)

Functional Responsibility: Perform formal software testing activities for complex software applications. Review user requirements documentation; assists in development of test plans; develop test data to be used in performing tests; and transforms test plans into test scripts. Ensure proper execution of test scripts and documentation of test results in tracking systems. Analyze test results, document conclusions, and make recommendations that are fully supported by test results.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + two (2) years of experience

Software Tester – Senior (ID SVC – 79)

Functional Responsibility: Under general direction performs formal software testing activities for complex software applications. Review user requirements documentation; assist in development of test plans; develop test data to be used in performing tests; and transform test plans into test scripts. Ensure proper execution of test scripts and documentation of test results in tracking systems. Analyze test results, document conclusions, and make recommendations that are fully supported by test results. Develop practical and workable solutions to clients'

technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + five (5) years of experience

Software Tester – Principal (ID SVC – 80)

Functional Responsibility: Provide technical leadership in performing formal software testing activities for complex software applications. Review user requirements documentation; assist in development of test plans; develops test data to be used in performing tests; and transforms test plans into test scripts. Ensure proper execution of test scripts and documentation of test results in tracking systems. Analyze test results, document conclusions, and make recommendations that are fully supported by test results. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + seven (7) years of experience

Intermediate Communications Analyst (ID SVC – 81)

Functional Responsibility: Responsible for supporting the delivery of technical solutions based upon established requirements of enterprise- wide or large scale computer networks. Support design of computer network architecture. Establish general LAN/MAN/WAN administration procedures and provides technical leadership in the integration and test of complex large-scale computer integrated networks. Schedules conversions and cut-overs. May oversee network control center.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of two (2) - four (4) years of experience. A degree is not required with a minimum of six (6) years of experience.

Senior Communications Analyst (ID SVC – 82)

Functional Responsibility: Apply communications/network improvement practices to establish requirements of enterprise-wide or large-scale computer networks. Design large-scale computer network architecture. Establish general LAN/MAN/WAN administration procedures and provides technical leadership in the integration and test of complex large-scale computer-integrated networks. Oversee network control center. Supervise maintenance of systems. May supervise communication analysts.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of five (5) years of experience. A degree is not required with a minimum of nine (9) years of experience.

Data Communications Manager (ID SVC – 83)

Functional Responsibility: Manage a team of data communication technicians and analysts who maintain and support data communication systems. Ensure that adequate and appropriate planning is provided for remote hardware and communications facilities to develop and implement methodologies for analysis, installation, and support of distributed processing client/server systems. Provide coordination in the analysis, acquisition, and installation of hardware, software, and facilities. Manage the training and efforts of a staff engaged in system and network planning, analysis, and monitoring activities. Frequently reports to Telecommunications Department Director/Manager.

Minimum Education / Minimum Experience: A minimum of eight (8) - 10 years of experience in software/hardware LAN and WAN network design and analysis. CCDA or equivalent.

Voice Communications Manager (ID SVC – 84)

Functional Responsibility: Manage a team of voice communications technicians and analysts who maintain and support voice communication systems, including Automated Call Distribution (ACD), Call Management Systems (CMS), and Voice Mail, PBX, CBX. Identifies issues and appropriate courses of action. Research and oversees implementation of new technologies. Must be familiar with a variety of the field's concepts, practices, and procedures. Knowledgeable in communication protocols and hardware (e.g. Lucent, Siemens, Nortel). Frequently reports to Telecommunications Department Director/Manager.

Minimum Education / Minimum Experience: A minimum of 10 years of experience in software/hardware voice network design and analysis. CCDA or equivalent.

Unified Communications Engineer (ID SVC – 85)

Functional Responsibility: Create a single user interface for the combination of multiple media types into an integrated, unified network environment. Media types include voice, video, and data. All of these services are provided across an IP based network. Responsible for the design and implementation of large enterprise systems supporting 25,000+ users. Configure network along with application specific infrastructure and determine how all pieces fit together. Responsible for ensuring the implementation meets required specifications as laid out in the design. Perform troubleshooting based on performance degradation and develops system specific configurations based on stakeholder requirements.

Minimum Education / Minimum Experience: Bachelors + three (3) years of experience with enterprise Unified Communications Environments

Unified Communications Engineer – Senior (ID SVC – 86)

Functional Responsibility: Under General Direction, create a single user interface for the combination of multiple media types into an integrated, unified network environment. Media types include voice, video, and data. All of these services are provided across an IP based network. Responsible for the design and implementation of large enterprise systems supporting 25,000+ users. Configure network along with application specific infrastructure and determine how all pieces fit together. Responsible for ensuring the implementation meets required specifications as laid out in the design. Perform troubleshooting based on performance degradation and develops system specific configurations based on stakeholder requirements. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensure the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelors + five (5) years of experience with enterprise Unified Communications Environments

Unified Communications Engineer – Principal (ID SVC – 87)

Functional Responsibility: Provide Technical Leadership to create a single user interface for the combination of multiple media types into an integrated, unified network environment. Media types include voice, video, and data. All of these services are provided across an IP based network. Responsible for the design and implementation of large enterprise systems supporting 25,000+ users. Configure network along with application specific infrastructure and determine how all pieces fit together. Responsible for ensuring the implementation meets required specifications as laid out in the design. Perform troubleshooting based on performance degradation and develops system specific configurations based on stakeholder requirements. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelors + eight (8) years of experience with enterprise Unified Communications Environments

Unified Communications Engineer - Subject Matter Expert (SME) (ID SVC – 88)

Functional Responsibility: Recognized technical expert in creating a single user interface for the combination of multiple media types into an integrated, unified network environment. Media types include voice, video, and data. All of these services are provided across an IP based network. Responsible for the design and implementation of large enterprise systems supporting 25,000+ users. Configure network along with application specific infrastructure and determine how all pieces fit together. Responsible for ensuring the implementation meets required specifications as laid out in the design. Perform troubleshooting based on performance degradation and develops system specific configurations based on stakeholder requirements. Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: Bachelors + 10 years of experience with enterprise

Unified Communications Environments

Help Desk Service Specialist (ID SVC – 89)

Functional Responsibility: Provide telephone and in-person support to users in the areas of email, directories, standard Windows desktop COTS applications and applications developed under this contract for predecessors. Serve as the initial point of contact for troubleshooting hardware, software, PC, and printer problems.

Minimum Education / Minimum Experience: Three (3) - five (5) years of experience, of which the last two (2) must be specialized. High School required.

Help Desk Specialist – Senior (ID SVC – 90)

Functional Responsibility: Provide phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications and applications developed or deployed under this contractor or predecessors. Serve as the first point of contact for troubleshooting hardware/software PC and printer problems. Tier 2 Service Desk Specialist.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + three (3) years of experience

Help Desk Specialist – Principal (ID SVC – 91)

Functional Responsibility: Provide phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications and applications developed or deployed under this contractor or predecessors. Serve as the first point of contact for troubleshooting hardware/software PC and printer problems. Tier 2 and 3 Support Desk specialist capable of supporting multi-platform environments for large environments.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + five (5) years of experience

Help Desk Service Manager (ID SVC – 92)

Functional Responsibility: Provide daily supervision and direction to staff that are responsible for telephone and in-person to users in the areas of email, directories, COTS, standard Windows desktop applications and applications developed or deployed under a specific contract. Serve as the Subject Matter Expert (SME) for hardware, software, PC, and printer problems.

Minimum Education / Minimum Experience: Five (5) - seven (7) years overall experience, of which the last four (4) years is specialized. Associate's Degree required.

Help Desk Manager – Senior (ID SVC – 93)

Functional Responsibility: Provide daily supervision and direction to staff who are responsible for phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed or deployed under this contract. Serve as the first point of contact for troubleshooting hardware/software PC and printer problems.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + five (5) years of experience

Help Desk Manager – Principal (ID SVC – 94)

Functional Responsibility: Provide technical leadership in the daily supervision and direction to staff who are responsible for phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed or deployed under this contract. Serve as the first point of contact for troubleshooting hardware/software PC and printer problems. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + seven (7) years of experience

Network Technician (ID SVC – 95)

Functional Responsibility: Perform network installations and troubleshooting. Work independently on basic networking issues such as cable/plant layout and server/desktop installation. Possess working knowledge of at least one Network Operating System, preferably Microsoft NT. Work directly with end user customers. Perform network installations and troubleshooting.

Minimum Education / Minimum Experience: Associates degree or working towards MCSE certification as well as at least one (1) year of experience.

Senior Network Technician (ID SVC – 96)

Functional Responsibility: Work independently on basic networking issues such as cable/plant layout and server/desktop installation. Possess working knowledge of at least one Network Operating System, preferably Microsoft NT. Work directly with end user customers. Perform network installations and troubleshooting.

Minimum Education / Minimum Experience: CCNA or equivalent required and three (3) years of experience.

Hardware Installation Technician (ID SVC – 97)

Functional Responsibility: Configure computers, communication devices, and peripheral equipment. Install network hardware. Analyze and install computer based systems, local area networks, fiber optic cables, and communication systems. Train site personnel in proper use of hardware.

Minimum Education / Minimum Experience: High school diploma with a minimum of five (5) years of experience, of which three (3) years must be specialized.

Senior Hardware Installation Technician (ID SVC – 98)

Functional Responsibility: Conduct site surveys. Assess and document current site network configuration and user requirements. Design and optimize network topologies. Analyze existing requirements and prepares specifications for hardware acquisitions. Prepare engineering plans and site installation. Prepare drawings documenting configuration changes at each site. Prepare site installation and test reports.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of four (4) years of experience, of which the last two (2) must be specialized. High school diploma with a minimum of seven (7) years of experience, of which the four (4) years must be specialized.

Hardware Specialist (ID SVC – 99)

Functional Responsibility: Review computer systems in terms of machine capabilities and man-machine interface. Monitor and respond to complex hardware problems using a variety of hardware testing tools and techniques. Prepare functional requirements and specifications for hardware acquisitions. Ensure that problems have been properly identified and resolved.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of five (5) years of experience, of which the last three (3) must be specialized. High school diploma with a minimum of nine (9) years of experience, of which the last five (5) years must be specialized.

Computer Operator (ID SVC – 100)

Functional Responsibility: Monitor and control one or more mini or mainframe computers by operating the central console or on-line terminals. Study program operation instructions to determine equipment setup and run operations. Continuously observe the operation of the console panel, storage devices, printers, and the action of the console printer to monitor the system and determine the point of equipment or program failure. Manipulate controls in accordance with standard procedures to continue operations when individual units of the system malfunction. Confer with software systems engineering or applications programming personnel in the event errors require a change of instructions or sequence of operations. Maintain operating records such as machine performance and production reports.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + 1 year of experience

Computer Operator – Senior (ID SVC – 101)

Functional Responsibility: Under general direction monitor and control one or more mini or mainframe computers by operating the central console or on-line terminals. Study program operation instructions to determine equipment setup and run operations. Continuously observe the operation of the console panel, storage devices, printers, and the action of the console printer to monitor the system and determine the point of equipment or program failure. Manipulate controls in accordance with standard procedures to continue operations when individual units of the system malfunction. Confer with software systems engineering or applications programming personnel in the event errors require a change of instructions or sequence of operations. Maintain operating records such as machine performance and production reports. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + three (3) years of experience

Computer Operator – Principal (ID SVC – 102)

Functional Responsibility: Provide technical leadership in monitoring and control of one or more mini or mainframe computers by operating the central console or on-line terminals. Study program operation instructions to determine equipment setup and run operations. Continuously observe the operation of the console panel, storage devices, printers, and the action of the console printer to monitor the system and determine the point of equipment or program failure. Manipulate controls in accordance with standard procedures to continue operations when individual units of the system malfunction. Confer with software systems engineering or applications programming personnel in the event errors require a change of instructions or sequence of operations. Maintain operating records such as machine performance and production reports. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in

planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelors (or equivalent) + five (5) years of experience

Web Designer (ID SVC – 103)

Functional Responsibility: Responsible for the oversight and creation of graphic user interfaces for the internet. Coordinate with application engineers and end users to determine requirements and manages and implements quality control procedures to ensure compliance with requirements. Work closely with application engineers and end users to design effective graphic user interfaces using current developments in web design tools and networking technology.

Minimum Education / Minimum Experience: Bachelor's degree with two (2) years of experience including development and design of software systems and Web development. A degree is not required with five (5) years of experience.

Web Software Developer (ID SVC – 104)

Functional Responsibility: Provide support to develop Web based applications including online customer service for agency components to be able to deliver their services online. Provide support in developing the site concept, interface design, and architecture of the web-site. Provide support for the implementation of interfaces to applications. Working knowledge and experience coding in Java is required. Knowledge of several of the following areas is desirable: Active Server Pages (ASP), JavaScript, and SQL Server, Visual Basic, JavaScript, MS Access, HTML, DBMS's (ex. - Oracle, Sybase, etc.).

Minimum Education / Minimum Experience: Bachelor (or equivalent) + two (2) years of programming experience

Web Software Developer – Senior (ID SVC – 105)

Functional Responsibility: Under general direction provide support to develop Web based applications including online customer service for agency components to be able to deliver their services online. Provide support in developing the site concept, interface design, and architecture of the web-site. Provide support for the implementation of interfaces to applications. Working knowledge and experience coding in Java is required. Knowledge of several of the following areas is desirable: Active Server Pages (ASP), JavaScript, and SQL Server, Visual Basic, JavaScript, MS Access, HTML, DBMS's (ex. - Oracle, Sybase, etc.). Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements.

Minimum Education / Minimum Experience: Bachelor (or equivalent) + five (5) years of programming experience

Web Software Developer – Principal (ID SVC – 106)

Functional Responsibility: Provide technical leadership support to develop Web based applications including online customer service for agency components to be able to deliver their services online. Provide support in developing the site concept, interface design, and architecture of the web-site. Provide support for the implementation of interfaces to applications. Working knowledge and experience coding in Java is required. Knowledge of several of the following areas is desirable: Active Server Pages (ASP), JavaScript, and SQL Server, Visual Basic, JavaScript, MS Access, HTML, DBMS's (ex. - Oracle, Sybase, etc.). Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plans, recommends, and performs changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.

Minimum Education / Minimum Experience: Bachelor (or equivalent) + seven (7) years of programming experience

Web Software Developer - Subject Matter Expert (SME) (ID SVC – 107)

Functional Responsibility: Recognized technical expert to develop Web based applications including online customer service for agency components to be able to deliver their services online. Provide support in developing the site concept, interface design, and architecture of the web-site. Provide support for the implementation of interfaces to applications. Working knowledge and experience coding in Java is required. Knowledge of several of the following areas is desirable: Active Server Pages (ASP), JavaScript, and SQL Server, Visual Basic, JavaScript, MS Access, HTML, DBMS's (ex. - Oracle, Sybase, etc.). Highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.

Minimum Education / Minimum Experience: Bachelor (or equivalent) + 10 years of programming experience

Graphics Specialist (ID SVC – 108)

Functional Responsibility: Directly support the Program Manager or Project Manager in the preparation of presentation graphics and support the development of contract deliverables and reports by developing and updating graphic presentations to improve the quality and enhance the usability of these documents. Responsible for integrating the graphics generated with automated tools and the deliverable documents.

Minimum Education / Minimum Experience: High school diploma with a minimum of two (2) years of experience in office administration and developing graphics/artistic presentations

Graphics Specialist – Senior (ID SVC – 109)

Functional Responsibility: Perform graphics design; plans, lays out, and illustrates technical or scientific materials in black and white or color for web pages, dashboards, and portals. Interface with users to determine scope of project and best graphic medium. Execute graphic projects and coordinates and schedules production with developers. Perform production or coordinates production with outside vendors as needed. Operate and set up computer graphic systems. Train others in proper use of computer graphic equipment. Familiar with commonly-used art media and commercially available graphics packages for web postings, Microsoft SharePoint postings and custom dashboard development.

Minimum Education / Minimum Experience: Bachelors with a minimum of three (3) years of experience in office administration and developing graphics/artistic presentations for web pages and / or custom dashboards

Documentation Specialist (ID SVC – 110)

Functional Responsibility: Gather, analyze, and compose technical documentation. Ensure the use of proper technical terminology. Translate technical information into clear, readable documents to be used by technical and non-technical personnel.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of two (2) years of experience, of which the last one year is specialized. A degree is not required with eight (8) years of experience, of which six (6) years is specialized.

Technical Writer – Junior (ID SVC – 111)

Functional Responsibility: Research, write, edit, and proofread technical data for use in documents or sections of documents such as manuals, procedures, specifications, special reports, and any other customer deliverables and documents. Ensure technical documentation is accurate, complete, meets editorial and government specifications and adheres to standards for quality, graphics, coverage, format, and style. Assist in establishing style guidelines and standards for texts and illustrations. Excellent written communication skills are required.

Minimum Education / Minimum Experience: Bachelor's Degree and zero (0) - two (2) years of experience

Technical Writer – Mid (ID SVC – 112)

Functional Responsibility: Research, write, edit, and proofread technical data for use in documents or sections of documents such as manuals, procedures, specifications, special reports, and any other customer deliverables and documents. Ensure technical documentation is accurate, complete, meets editorial and government specifications and adheres to standards for quality, graphics, coverage, format, and style. Assist in establishing style guidelines and standards for texts and illustrations. Excellent written communication skills are required.

Minimum Education / Minimum Experience: Bachelor's Degree and two (2) - four (4) years of experience

Technical Writer – Senior (ID SVC – 113)

Functional Responsibility: Research, write, edit, and proofread technical data for use in documents or sections of documents such as manuals, procedures, specifications, special reports, and any other customer deliverables and documents. Ensure technical documentation is accurate, complete, meets editorial and government specifications and adheres to standards for quality, graphics, coverage, format, and style. Assist in establishing style guidelines and standards for texts and illustrations. Excellent written communication skills are required.

Minimum Education / Minimum Experience: Bachelor's Degree and four (4)+ years of experience

Business Processes Analyst – Senior (ID SVC – 114)

Functional Responsibility: Perform analysis of functional processes, organizations, and enterprises to identify and develop business process engineering initiatives. Evaluate business processes for efficiency, effectiveness, and improvement. Document analysis of business processes and recommended improvements. Responsible for process reengineering, facilitation, training and methodology development, and evaluation across all phases of an enterprise or function. May identify best practices, change management, business management techniques, organizational development, activity and data modeling, or IT system development methods and practices.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of 10 years of experience, of which the last eight (8) years must be specialized. With a Master's degree, eight (8) years of experience required, of which six (6) years must be specialized. With a Ph. D, six (6) years of experience required, of which five (5) years must be specialized. A degree is not required with 13 years of experience, of which 11 years must be specialized.

Business Processes Analyst – Principal (ID SVC – 115)

Functional Responsibility: May serve as task or project leader. Perform analysis of functional processes, organizations, and enterprises to identify and develop business process engineering initiatives. Evaluate business processes for efficiency, effectiveness, and improvement. Document analysis of business processes and recommends improvements. Provide training and guidance in the implementation of improved processes.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of 12 years of experience, of which the last nine (9) years must be specialized. With a Ph. D, eight (8) years of experience required, of which six (6) years must be specialized.

Information Technology Training Specialist (ID SVC – 116)

Functional Responsibility: Administer computer-based training. Maintain records of training activities. Provide documentation for software training. Conduct training sessions and assists in the design of program flowcharts. Maintain current knowledge of hardware and software applications as required. Must have knowledge of the principles, methods, and techniques used in the design and development of computer based training programs, as well as knowledge of relevant hardware/software and computer equipment as required.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of four (4) years of experience.

Senior Information Technology Training Specialist (ID SVC – 117)

Functional Responsibility: May serve as the team lead. Design training objectives and develops computer-based training for assigned software. Design courseware and structures training classes. Provide documentation for software training. Create final versions of training programs and presents them to users. Must have knowledge of the principles, methods, and techniques used in the design and development of computer based training programs, as well as knowledge of relevant hardware/software and computer equipment as required.

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of six (6) years of experience.

Training Specialist – Principal (ID SVC – 118)

Functional Responsibility: Organize and conduct moderately complex training and educational programs for information systems (technical) or user (non-technical) personnel. May develop instructional curriculum and materials; gathers and assimilates information on subject matter, organizes and condenses material, and prepares course outline, handouts, and visual aid materials. Coordinate with Subject Matter Experts (SMEs) to ensure that prepared courses meet stated objectives. Maintain records of training activities and program effectiveness. May be required to instruct or to prepare/arrange for the preparation of automated training materials (such as video recorded training sessions, computer-aided tutorials, etc.).

Minimum Education / Minimum Experience: Bachelor's degree with a minimum of eight (8) years of experience.

Business Process Reengineering Specialist (ID SVC – 119)

Functional Responsibility: Apply process improvement and reengineering methodologies and principles to conduct process modernization projects for Information Technology environments. Duties include activity and data modeling, developing modern business methods, identifying best practices, and creating and assessing performance measurements for IT engineering, operations, and security projects. Responsible for effective transitioning of existing information technology project teams and the facilitation of project teams in the accomplishment of project activities and objectives as it relates to those IT projects. Provide group facilitation, interviewing, training, and provides additional forms of knowledge transfer for IT engineering, operations, and security related projects. Key coordinator between multiple project teams to ensure enterprise-wide integration of reengineering information technology efforts.

Minimum Education / Minimum Experience: Bachelors (or equivalent) two (2)+ years of experience doing process improvement

Business Process Reengineering Specialist – Senior (ID SVC – 120)

Functional Responsibility: Under general direction, apply process improvement and reengineering methodologies and principles to conduct process modernization projects for Information Technology environments. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensures the successful delivery of the project requirements. May be required to act as a technical supervisor. Duties include activity and data modeling, developing modern business methods, identifying best practices, and creating and assessing performance measurements for IT engineering, operations, and security projects. Responsible for effective transitioning of existing information technology project teams and the facilitation of project teams in the accomplishment of project activities and objectives as it relates to those IT projects. Provide group facilitation, interviewing, training, and provide additional forms of knowledge transfer for IT engineering, operations, and security related projects. Key coordinator between multiple project teams to ensure enterprise-wide integration of reengineering information technology efforts.

Minimum Education / Minimum Experience: Bachelors (or equivalent) five (5)+ years of experience doing process improvement

Business Process Reengineering Specialist – Principal (ID SVC – 121)

Functional Responsibility: Provide technical leadership in process improvement and reengineering methodologies and principles to conduct process modernization projects for Information Technology environments. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices. Duties include activity and data modeling, developing modern business methods, identifying best practices, and creating and assessing performance measurements for IT engineering, operations, and security projects. Responsible for effective transitioning of existing information technology project teams and the facilitation of project teams in the accomplishment of project activities and objectives as it relates to those IT projects. Provide group facilitation, interviewing, training, and provides additional forms of knowledge transfer for IT engineering, operations, and security related projects. Key coordinator between multiple project teams to ensure enterprise-wide integration of reengineering information technology efforts.

Minimum Education / Minimum Experience: Bachelors (or equivalent) eight (8)+ years of experience doing process improvement

Business Process Reengineering Specialist - Subject Matter Expert (SME) (ID SVC – 122)

Functional Responsibility: Recognized technical expert in process improvement and reengineering methodologies and principles to conduct process Information Technology modernization projects. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. High level of diverse technical and industry experience related to BPR for IT engineering, operations, and security related projects. Duties include activity and data modeling, developing modern business methods, identifying best practices, and creating and assessing performance measurements for these projects. Responsible for effective transitioning of existing project teams and the facilitation of project teams in the accomplishment of project activities and objectives as it relates to those IT projects. Provide group facilitation, interviewing, training, and provides additional forms of knowledge transfer. Key coordinator between multiple IT project teams to ensure enterprise-wide integration of reengineering efforts.

Minimum Education / Minimum Experience: Bachelors (or equivalent) 10+ years of experience doing process improvement

Technical Consultant (ID SVC – 123)

Functional Responsibility: Possess industry-leading expertise in a technology area such as networking, electronic business, or software applications. Specific examples include leading edge expertise with such technology manufacturers such as Netscape, Microsoft, Oracle, Microstrategy, CISCO etc. Provide consultative technical support at the very highest levels of the enterprise.

Minimum Education / Minimum Experience: Minimum of Bachelor's Degree and two (2) years of technology specific consultative expertise. Technology area certifications or progress towards certifications are required.

Senior Consultant (ID SVC – 124)

Functional Responsibility: Plan, design, configure, develop, modify, test, and install enterprise applications such as Oracle, Peoplesoft, BAAN, SAP, Network Management software, Microstrategy and Netscape. Translate systems/subsystems designs and detailed designs into operational systems. Provide advice and resolve issues regarding application designs, technical architectures, software interfaces, data conversion, testing, operations, and user support. Work with other senior technical and user staff to complete projects. Provide assistance and guidance to less experienced technical staff.

Minimum Education / Minimum Experience: Bachelor's degree in Computer Science or equivalent (mathematics, statistics, environmental sciences etc.) and at least four (4) years of experience using specific application software packages.

Senior Technical Consultant (ID SVC – 125)

Functional Responsibility: Act independently on the most specialized phases of system design, implementation, analysis, and programming. Lead and participate in major system studies and implementations. Investigate leading edge information technologies and applies it to the client environment. Technical expert during product presentations to clients. Possess industry-leading expertise in a technology area such as networking, electronic business, or software applications. Specific examples include leading edge expertise with such technology manufacturers such as Netscape, Microsoft, Oracle, Microstrategy, CISCO etc. Provide consultative technical support at the very highest levels of the enterprise.

Minimum Education / Minimum Experience: Minimum of Bachelor's Degree and six (6) years of technology specific consultative expertise. Technology area certifications or progress towards certifications are required.

Senior Information Security Consultant (ID SVC – 126)

Functional Responsibility: Manage the analysis of IA requirements for multi-level security issues. Manage the design, development, engineering, and implementation of solutions to multi-level security requirements. Implement and develop multi-level security as well as organize technical information about an organization's goals, existing security products and on-going programs in a multi-level security arena. Perform risk analysis and risk assessments.

Minimum Education / Minimum Experience: Bachelor's degree with 10 years of experience, of which four (4) years are in information assurance projects. Master's degree with two (2) years of experience, of which one (1) year is specialized.

Consultant Software Category III (ID SVC – 127)

Functional Responsibility: Plan, design, configure, develop, modify, test, and install enterprise applications. Provide advice and resolve issues regarding application designs, technical architectures, software interfaces, data conversion, testing, operations, and user support. Work with other technical and user staff to complete projects. Provide consultative Professional Services support to meet operational and functional requirements of the enterprise.

Minimum Education / Minimum Experience: Minimum of Bachelor's Degree and two (2) years of enterprise product technology specific consultative expertise.

Consultant Software Category II (ID SVC – 128)

Functional Responsibility: Plan, design, configure, develop, modify, test, and install enterprise applications. Translate systems/subsystems designs and detailed designs into operational systems. Provide advice and resolve issues regarding application designs, technical architectures, software interfaces, data conversion, testing, operations, and user support. Work with other senior technical and user staff to complete projects. Provide assistance and guidance to less experienced technical staff.

Minimum Education / Minimum Experience: Bachelor's degree in Computer Science or equivalent (mathematics, statistics, etc.) and at least four (4) years of experience using enterprise application software packages.

Consultant Software Category I (ID SVC – 129)

Functional Responsibility: Act independently on the most specialized phases of system design, implementation, analysis, and programming of enterprise products. Lead and participate in major system studies and implementations of enterprise products. Investigate leading edge information technologies and applies it to the client environment. Technical expert during product presentations to clients. Possess industry-leading expertise in the implementation of enterprise products. Provide consultative Professional Services support at the very highest levels of the enterprise. Provide assistance and guidance to less experienced technical staff.

Minimum Education / Minimum Experience: Minimum of Bachelor's Degree and six (6) years of enterprise application technology specific consultative expertise.

GSA PRICING

Labor Category	GSA Price	Labor Category Number
Administrative Support, Specialized	\$70.53	ID SVC - 1
Program Manager	\$182.07	ID SVC - 2
Senior Program Manager	\$252.47	ID SVC - 3
Project Administrator	\$74.08	ID SVC - 4
Project Specialist	\$111.10	ID SVC - 5
Technical Project Manager	\$171.26	ID SVC - 6
Senior Technical Project Lead	\$231.44	ID SVC - 7
Management Analyst	\$64.93	ID SVC - 8
Management Analyst - Senior	\$94.75	ID SVC - 9
Management Analyst - Principal	\$129.58	ID SVC - 10
Management Analyst - Subject Matter Expert (SME)	\$141.43	ID SVC - 11
Engineer	\$101.84	ID SVC - 12
Senior Engineer	\$158.95	ID SVC - 13
Network Engineer	\$100.51	ID SVC - 14
Network Engineer - Senior	\$115.95	ID SVC - 15
Network Engineer - Principal	\$171.11	ID SVC - 16
Network Engineer - Subject Matter Expert (SME)	\$225.54	ID SVC - 17
Systems Engineer	\$132.70	ID SVC - 18
Systems Engineer - Subject Matter Expert (SME)	\$211.17	ID SVC - 19
Senior Systems Engineer	\$189.81	ID SVC - 20
Senior Information Engineer	\$114.27	ID SVC - 21
Principal Information Engineer	\$160.38	ID SVC - 22
Principal Systems Architect	\$171.33	ID SVC - 23
Functional Analyst	\$105.10	ID SVC - 24
Senior Functional Analyst	\$124.99	ID SVC - 25
Enterprise Architect	\$115.15	ID SVC - 26
Enterprise Architect - Senior	\$165.26	ID SVC - 27
Enterprise Architect - Principal	\$206.95	ID SVC - 28
Enterprise Architect - Subject Matter Expert (SME)	\$294.49	ID SVC - 29
Identity Management Architect	\$133.59	ID SVC - 30
Identity Management Architect - Senior	\$215.78	ID SVC - 31
Identity Management Architect - Principal	\$276.49	ID SVC - 32
Identity Management Architect - Subject Matter Expert (SME)	\$326.22	ID SVC - 33
Network Architect	\$115.99	ID SVC - 34
Network Architect - Senior	\$172.45	ID SVC - 35
Network Architect - Principal	\$233.39	ID SVC - 36
Network Architect - Subject Matter Expert (SME)	\$281.51	ID SVC - 37
Quality Assurance Manager	\$112.39	ID SVC - 38
Quality Assurance Analyst	\$90.51	ID SVC - 39
Configuration Management (CM)	\$84.61	ID SVC - 40

Labor Category	GSA Price	Labor Category Number
Configuration Management (CM) - Senior	\$100.82	ID SVC - 41
Configuration Management (CM) - Principal	\$115.20	ID SVC - 42
Junior Information Security Analyst	\$99.36	ID SVC - 43
Information Security Analyst	\$121.09	ID SVC - 44
Information Security Analyst - Subject Matter Expert (SME)	\$191.08	ID SVC - 45
Senior Information Security Analyst	\$167.86	ID SVC - 46
Systems Security Architect	\$110.72	ID SVC - 47
Systems Security Architect - Senior	\$160.00	ID SVC - 48
Systems Security Architect - Principal	\$195.61	ID SVC - 49
Systems Security Architect - Subject Matter Expert (SME)	\$252.00	ID SVC - 50
Cyber Security Engineer	\$88.05	ID SVC - 51
Cyber Security Engineer - Senior	\$120.37	ID SVC - 52
Cyber Security - Principal	\$174.47	ID SVC - 53
Cyber Security - Subject Matter Expert (SME)	\$212.77	ID SVC - 54
Systems Administrator	\$87.94	ID SVC - 55
Data Entry Clerk	\$39.02	ID SVC - 56
Data Entry Specialist	\$48.01	ID SVC - 57
Junior Database Administrator	\$90.12	ID SVC - 58
Database Administrator	\$101.06	ID SVC - 59
Senior Database Administrator	\$121.28	ID SVC - 60
Database Warehousing/Mining Specialist	\$81.31	ID SVC - 61
Database Warehousing/Mining Specialist - Senior	\$110.84	ID SVC - 62
Database Warehousing/Mining Specialist - Principal	\$146.51	ID SVC - 63
Database Warehousing/Mining Specialist - Subject Matter Expert (SME)	\$180.56	ID SVC - 64
Junior Programmer	\$75.11	ID SVC - 65
Programmer	\$88.78	ID SVC - 66
Programmer - Principal	\$144.74	ID SVC - 67
Programmer - Subject Matter Expert (SME)	\$172.54	ID SVC - 68
Senior Programmer	\$113.96	ID SVC - 69
Senior Programmer Specialist	\$129.73	ID SVC - 70
Systems Analyst	\$103.83	ID SVC - 71
Senior Systems Analyst	\$118.23	ID SVC - 72
Senior Applications Programmer	\$211.36	ID SVC - 73
Software Engineer	\$74.00	ID SVC - 74
Software Engineer - Senior	\$122.24	ID SVC - 75
Software Engineer - Principal	\$154.04	ID SVC - 76
Software Engineer - Subject Matter Expert (SME)	\$195.61	ID SVC - 77
Software Tester	\$61.66	ID SVC - 78
Software Tester - Senior	\$72.60	ID SVC - 79
Software Tester - Principal	\$109.57	ID SVC - 80
Intermediate Communications Analyst	\$132.70	ID SVC - 81
Senior Communications Analyst	\$134.65	ID SVC - 82

Labor Category	GSA Price	Labor Category Number
Data Communications Manager	\$182.07	ID SVC - 83
Voice Communications Manager	\$163.63	ID SVC - 84
Unified Communications Engineer	\$101.13	ID SVC - 85
Unified Communications Engineer - Senior	\$126.28	ID SVC - 86
Unified Communications Engineer - Principal	\$190.47	ID SVC - 87
Unified Communications Engineer - Subject Matter Expert (SME)	\$264.91	ID SVC - 88
Help Desk Service Specialist	\$59.22	ID SVC - 89
Help Desk Specialist - Senior	\$70.24	ID SVC - 90
Help Desk Specialist - Principal	\$91.65	ID SVC - 91
Help Desk Service Manager	\$76.13	ID SVC - 92
Help Desk Manager - Senior	\$118.11	ID SVC - 93
Help Desk Manager - Principal	\$147.52	ID SVC - 94
Network Technician	\$77.94	ID SVC - 95
Senior Network Technician	\$109.11	ID SVC - 96
Hardware Installation Technician	\$67.24	ID SVC - 97
Senior Hardware Installation Technician	\$80.15	ID SVC - 98
Hardware Specialist	\$87.91	ID SVC - 99
Computer Operator	\$45.55	ID SVC - 100
Computer Operator - Senior	\$67.69	ID SVC - 101
Computer Operator - Principal	\$89.34	ID SVC - 102
Web Designer	\$124.31	ID SVC - 103
Web Software Developer	\$89.03	ID SVC - 104
Web Software Developer - Senior	\$118.05	ID SVC - 105
Web Software Developer - Principal	\$143.24	ID SVC - 106
Web Software Developer - Subject Matter Expert (SME)	\$183.14	ID SVC - 107
Graphics Specialist	\$61.99	ID SVC - 108
Graphics Specialist - Senior	\$91.51	ID SVC - 109
Documentation Specialist	\$69.75	ID SVC - 110
Technical Writer - Junior	\$59.93	ID SVC - 111
Technical Writer - Mid	\$69.05	ID SVC - 112
Technical Writer - Senior	\$91.71	ID SVC - 113
Business Processes Analyst - Senior	\$107.26	ID SVC - 114
Business Processes Analyst - Principal	\$140.47	ID SVC - 115
Information Technology Training Specialist	\$76.74	ID SVC - 116
Senior Information Technology Training Specialist	\$84.61	ID SVC - 117
Training Specialist - Principal	\$111.54	ID SVC - 118
Business Process Reengineering Specialist	\$103.11	ID SVC - 119
Business Process Reengineering Specialist - Senior	\$154.44	ID SVC - 120
Business Process Reengineering Specialist - Principal	\$191.08	ID SVC - 121
Business Process Reengineering Specialist - Subject Matter Expert (SME)	\$271.49	ID SVC - 122
Technical Consultant	\$274.67	ID SVC - 123
Senior Consultant	\$324.05	ID SVC - 124

Labor Category	GSA Price	Labor Category Number
Senior Technical Consultant	\$584.49	ID SVC - 125
Senior Information Security Consultant	\$341.61	ID SVC - 126
Consultant Software Category III	\$303.92	ID SVC - 127
Consultant Software Category II	\$339.79	ID SVC - 128
Consultant Software Category I	\$374.05	ID SVC - 129